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The Commonwealth of Massachusetts

ANNUAL REPORT

OF THE

TRUSTEES

OF THE

FOXBOROUGH STATE HOSPITAL

FOR THE

YEAR ENDING NOVEMBER 30, 1928

DEPARTMENT OF MENTAL DISEASES



APR 15 1930  
FOXBOROUGH STATE HOSPITAL.

BOARD OF TRUSTEES.

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OFFICERS OF THE HOSPITAL.

Dr. RODERICK B. DEXTER, *Superintendent*.  
Dr. WILLIAM C. GAEBLER, *Assistant Superintendent*.  
Dr. CORNELIA B. J. SCHORER, *Senior Physician*.  
Dr. DAVID ROTHSCHILD, *Senior Physician-Pathologist*.  
Dr. HYMAN J. WEISMAN, *Assistant Physician*.  
Dr. ARTHUR G. WEBSTER, *Dentist*.  
Mr. CHESTER A. HARPER, *Acting Steward*.  
Miss HARRIET S. BAYLEY, *Treasurer*.

HEADS OF DEPARTMENTS.

Mr. JOHN H. NAYLOR, *Chief Engineer*.  
Mr. CHARLES H. THURSTON, *Head Farmer*.  
Mr. ROMEO ROSS, *Maintenance Foreman*.  
Miss ELIZABETH L. MOSELEY, *Psychiatric Social Worker*.  
Miss MILDRED J. SHANNON, *Principal Clerk and Stenographer*.  
Miss CONSTANCE M. GARROD, *Occupational Therapist*.  
Mr. HENRY A. TURNER, *Industrial Therapist*.  
Miss CATHERINE MULLANE, *Head Institutional Housekeeper*.  
Miss MARY WELSH, *Dietitian*.  
Mrs. JENNIE A. O'BRIEN, *Chief Female Supervisor*.  
Mr. ALBERT D. KELLY, *Chief Male Supervisor*.

TRUSTEES' REPORT.

*To His Excellency the Governor and Honorable Council:*

As directed by the law of the Commonwealth, the Trustees of the Foxborough State Hospital herewith submit their annual report for the year ending November 1, 1928.

First of all speaking for themselves the Trustees feel justified in saying that they have endeavored to fulfill the trust committed to them with due care and fidelity. They feel confident that they can unhesitatingly report that the hospital is, in all respects, so far as is in their power, in good condition. Their constant thought has been for the care, comfort, and so far as possible, the happiness of the patients.

Only recently the hospital has suffered an untold loss. Apparently in the firmest of health our Superintendent, Dr. Albert C. Thomas, was taken suddenly ill, and in a few days, on September 2nd, died of angina. His death was as saddening as it was sudden. In his death an unusual loss was sustained. His was the first superintendency since the hospital was reorganized for the care of the mentally sick. Its growth, until it has come to be recognized as one of the finest of its kind in its field, has been in large measure due to the ability and devotion of Dr. Thomas. Dr. Thomas was never content with progress, unless that progress led on to greater things yet to be achieved. He was a dreamer as well as a doer, greater in both because great in each. In his death not only has the Commonwealth met with a distinct loss, but the Cause itself has lost one of its most inspiring and devoted leaders.

But the wisdom and foresight of our State Department of Mental Diseases, in its training and preparation of men qualified to meet such an emergency as ours, was never more happily in evidence. After a brief interim, Dr. Roderick B. Dexter, then Chief Executive Officer of the Boston Psychopathic Hospital, was selected for the Superintendency at Foxborough. He is already showing a

grasp of the problems of our institution and a devotion to the work that is most gratifying.

The following reports herein contained will show more fully and in detail the result of the year's work and the care with which it has been carried on:

Respectfully submitted,

CHARLES A. LITTLEFIELD,  
CHARLES P. HOLLAND,  
MINNA R. MULLIGAN,

THOMAS J. SCANLAN,  
CLAIRE H. GURNEY,  
WILLIAM H. BANNON,

BENNET B. BRISTOL.

## SUPERINTENDENT'S REPORT.

### *To the Trustees of the Foxborough State Hospital:*

The thirty-seventh annual report of the Superintendent of the Foxborough State Hospital for the fiscal year ending November 30, 1928, is respectfully submitted. The Statistical Tables found in this report are for the year ending September 30, 1928.

The work of administering the affairs of the Hospital during the fiscal year was carried on by the late Superintendent, Dr. Albert C. Thomas, until his death on September 2, 1928. From then until the present Superintendent assumed the duties of his office on October 29, 1928, Dr. George A. Gaunt was in charge.

### PATIENT POPULATION.

The patients' quota for the year as established by the Department of Mental Diseases was 950. On October 1, 1927, the total population was 853, composed of 398 males and 455 females. On September 30, 1928, the total population was 957, composed of 459 males and 498 females.

The new admissions included many cases sent directly from the community. Of these a great many were acute in character. Of the patients returned to the community, 5.88 per cent were classed as not insane, 2.36 per cent as recovered, 62.94 per cent as improved, 28.82 per cent as not improved.

There were 33 ex-service men at the close of the year. Further details concerning the movement of population will be found in the special tables elsewhere in this report.

On January 10, 1928, Ward H was opened for use of patients and the close of the year saw Ward G, which is on the first floor of same building, nearly ready for occupancy. The remodelling of this building furnished the hospital with the equivalent of a new building, modern in every respect, and of such type of construction that risk from fire has been practically eliminated. Appropriations now on hand will permit the remodelling of the rest of the old wards except the second floor of the E Building, now occupied by the Medical and Administrative groups.

### MEDICAL SERVICE.

Changes in personnel: On April 30, Dr. Douglas M. Fuchs, Assistant Physician from December 31, 1925, resigned because of ill-health. On October 21, Dr. Wilbur R. Miller left to take a position in the New Haven Hospital. He had served previously as Clinical Assistant and for three months held a temporary appointment as Assistant Physician. Dr. Richard B. Wilson and Dr. Paul Goolker held temporary appointments, assisting in special research in the laboratories.

During the year much was accomplished by the Clinical and Laboratory Staffs. All cases newly admitted to the hospital, as well as those considered for discharge, were discussed in conference before the Hospital Staff. Research in the Pathological Laboratory was continued, resulting in the accumulation of much data of scientific value, part of which was utilized in the production of papers prepared by members of the Staff and published in various medical journals. Some of these papers were presented before national medical societies. It is felt that this excellent work should be continued and given all possible support. It not only makes a valuable contribution to scientific medical litera-

ture but also serves as a stimulus to the members of the Staff in both the psychiatric and physical treatment of the patients.

#### PHYSIOTHERAPY.

In the department of physiotherapy, 5,914 treatments were given, mostly to patients of the continued treatment type. The results showed undoubtedly that this form of therapy has a place in the armamentarium of a State hospital.

#### HYDROTHERAPY.

Much hydrotherapy was given in the form of wet sheet packs and continuous baths. The new hydratherapeutic suite is now nearly completed and will be ready for the administration of tonic baths and other special forms of treatment.

	Males.	Females.
Number of patients given wet sheet packs . . . . .	143	310
Number of packs administered . . . . .	462	1,362
Number of hours of treatment given . . . . .	2,271	3,818
Number of patients given continuous bath treatments . . . . .	323	266
Number of bath treatments given . . . . .	2,880	2,172
Number of hours of continuous bath treatments given . . . . .	25,755	21,946

X-Ray examinations were made in 1,194 cases including films of all dental conditions in which such examination was indicated. The practice of having a routine interpretation of the skiagraphs before the medical staff has aided in a better understanding of many findings in difficult cases, otherwise quite obscure.

#### OCCUPATIONAL THERAPY.

The value of the work of this department seems to become more evident each year. Patients show rapid and continued improvement under this form of treatment. Under careful supervision the following work was done:

Made in 1928: 1,290 candy bags, 2 reed flower baskets, 5 reed waste paper baskets, 2 raffia baskets, 38 linen doilies, 179 bureau scarfs, 80 dozen face cloths, 1 dozen men's handkerchiefs, 163 pairs men's hose, 76 yards crochet lace, 4 couch pillows, 1 pillow top (Swedish weaving), 2 mantel covers, 179 mop fillers, 1,436 paper roses and other flowers, 697 paper cups, 30 braided rugs, 23 chenille rugs, 35 woven rugs, 9 table squares, 13 table runners, 6 pairs bedroom slippers, 12 pairs bed socks, 158 pairs men's suspenders, 4,296 dozen sponges, 461 dozen bath towels, 225 dozen hand crash towels, 99 dozen dish towels, 5 reed serving trays, 2 hat trees.

Repaired in 1928: 75 pairs men's socks toed, 2 rugs, 5 lamp shades covered, 8 candle sticks painted.

Fruit and vegetables picked: 324 pounds strawberries, 2,397 pounds peas, 12,198 pounds beans.

Vegetables prepared for canning: 12,939 pounds tomatoes, 9,187 pounds corn, 7,175 pounds beans.

#### INDUSTRIAL DEPARTMENT.

Very valuable work has been done by the patients in both the shops and sewing rooms. The following lists show what has been produced:

Industrial shops (male patients): Made during 1928: 174 brooms, 11 long-handled floor brushes, 53 scrub brushes, 1 cabinet, 43 arm chairs, 460 chairs, 71 curtains, 19 cushions, 328 mattresses, 2 special child's-size mattresses, 262 pillows, 92 shades, 731 pairs men's socks, 1,375 yards toweling woven, 2 chairs carved.

Repaired during 1928: 533 pairs shoes soled, 601 pairs heeled, 338 pairs patched; 12 beds, 311 chairs, 13 clocks, 59 curtains, 1 cushion, 1 desk, 12 locks, 51 window shades, 1 pedestal; 436 chairs scraped, refinished and varnished, 6 chairs caned.

Vegetables prepared for canning: 4,588 pounds string beans, 5,766 pounds tomatoes, 9,187 pounds corn, 4,369 pounds cabbage (sauerkraut).

Sewing and Mending Rooms: Made during 1928: 2 awnings, 288 dozen aprons,



8 sitz aprons, 54 dining room aprons, 20 bandages, 559 dresses, 18 tied bags, 63 pairs bloomers, 6 dress slips, 94 bathrobes, 23 dozen garters, 23 large pack blankets, 12 small pack blankets, 142 laundry bags, 10 dozen board covers, 2 bakery covers, 38 hydro covers, 12 water bottle covers, 6 barber covers, 4 extractor covers, 24 screen covers, 1 couch cover, 1 crib cover, 12 hammock covers, 44  $1/3$  dozen combinations, 4 dozen duck coats, 4 couch sets, 11 clothes robes, 85 pairs drapery curtains, 12 pairs door curtains, 83 pairs sash curtains, 1 shower bath curtain, 7 physician's gowns, 2 hammocks, 30 hydro. hammocks, 12 holders, 24 bed jackets, 6 lunch sets, 24 neckties, 194  $1/2$  dozen nightdresses, 10 pairs overdresses, 54 petticoats, 4 pillows, 195  $1/2$  dozen pillow cases, 2 dozen pillow ticks, 20  $1/2$  dozen bleached sheets, 149 dozen unbleached sheets, 12 pack sheets, 38  $1/4$  dozen shirts, 13  $1/4$  dozen night shirts, 339 tablecloths, 24 pairs tie backs, 146  $1/2$  dozen hand towels, 330 dozen bath towels, 2 roller towels, 90 dental towels, 29 valances, 35 window shades.

Repaired during 1928: 372 aprons, 110 bibs, 962 blankets, 253 pairs bloomers, 189 bathrobes, 9 corselettes, 116 corset covers, 1,214 coats, 1,815 combinations, 2,646 dresses, 445 hydro. covers, 100 hydro. hammocks, 504 laundry bags, 112 laundry board covers, 4,859 nightdresses, 204 overalls, 323 pillow cases, 965 pairs pants, 369 petticoats, 1,446 sheets, 76 scarfs, 907 spreads, 72 sweaters, 1,809 shirts, 8,377 pairs stockings, 146 towels, 125 tablecloths, 2,536 pairs underdrawers, 2,856 pairs undershirts, 139 vests, 22 waists, 113 mattress ticks, 27 pillow ticks, 58 window shades, 14 flags, 504 slips, 2 rugs, 10 curtains, 4 couch covers, 1 cap. Marking done, 111 hours.

#### LABORATORY.

The following summary will show the excellent work of this department throughout the year, carried on by Dr. William A. Malamud, other members of the Medical Staff and Laboratory Technicians.

Pathological Laboratory: Fifty-four post mortem examinations were performed. The neuropsychiatric diagnoses of these were as follows:

- General paralysis, 4.
- Psychosis with cerebral arteriosclerosis, 6.
- Senile psychosis, 14.
- Alcoholic psychosis, 2.
- Dementia præcox, 12.
- Involucional psychosis, 1.
- Multiple sclerosis, 1.
- Psychosis with somatic disease, 4.
- Psychosis with organic brain disease, 2.
- Epileptic psychosis, 1.
- Undiagnosed psychosis, 4.
- Psychosis with psychopathic personality, 1.
- Cretinism with mental deficiency, 1.
- Imbecile, 1.
- Not psychotic, 1.

The primary cause of death:

- Carcinoma, 5.
- Multiple sclerosis, 1.
- Pyelonephritis, 1.
- Tuberculosis, 6.
- Aortic aneurysm, 1.
- Pneumonia, 6.
- Pulmonary hemorrhage, 1.
- Arteriosclerotic heart disease, 1.
- Pleurisy, 1.
- Senile psychosis, 6.
- Myocarditis, 4.
- Cardiorenal disease, 1.
- Cerebral arteriosclerosis, 3.
- Pernicious anemia, 1.

Multiple fractured ribs with perforation of pleura, 1.  
Natural causes—lobar pneumonia, 1.  
Pachymeningitis hemorrhagica, 1.  
Gangrene, 1.  
Hypernephroma, 1.  
Septicemia, 3.  
General paralysis, 4.  
Organic brain disease, 1.  
Subacute endocarditis, 1.  
Intercranial hemorrhage from fracture, 1.  
Sporadic cretinism, 1.  
Acute alcoholic intoxication, 1.

In all these cases, routine histological examinations were made for diagnostic purposes.

In addition to these, the pathological material of a number of these cases was subjected to more intensive study in connection with some of the research work carried on in the laboratory. One of these problems, dealing with "The Role Played by the Capillaries of the Cortex in the Pathogenesis of General Paresis" was completed by Dr. William A. Malamud and Dr. Konstantine P. Lowenberg. A report of it accepted for publication by the *Journal of Nervous and Mental Diseases* is to appear shortly. Another, on the "Etiology and Classification of Alzheimer Diseases" was also completed. A report of it by Dr. Malamud and Dr. Lowenberg, accepted for publication by the *Archives of Neurology and Psychiatry*, is to appear shortly. A study on "Pathoklitic Changes in a Case of Cretinism" was completed by Dr. Lowenberg. Our experiences with malarial treatment of general paralysis along with serological and histological observations were collected and analyzed by Dr. Malamud and Dr. Richard B. Wilson and a report of this work is to be made soon. Some "Recent Advances in the Pathoklitic Theories" forms the subject of another communication which Dr. Malamud and Dr. Lowenberg are completing now. In his work in the laboratory, Dr. Lowenberg was assisted for some time during the year by Dr. Richard B. Wilson, who was especially interested in the study of the central nervous system of general paretics due to malaria; also by Dr. Leopoldo Pardo, who was especially interested in a study of psychoses occurring in the course of syphilitic infections.

The Chemistry and Serology Departments: Determinations of the hemoglobin, differential white blood cell counts and urine examinations were made on all new admissions. Wherever indicated (in these cases as well as in old admissions) red and white blood cell counts, repeated hemoglobin determinations, and differential counts were carried on. Blood chemistry examinations were carried out in 248 cases, as follows: 57 non-protein nitrogens, 105 sugar, 2 sugar tolerance, 32 chlorides, 52 calcium. Bacteriological examinations of sputum, smears and throat specimens were carried out at physicians' requests. Six autogenous vaccines were prepared and administered. In cases of suspected septicemia, blood cultures were made and examined. Routine cerebrospinal fluid examinations included cell counts, examination for albumin, globulin and colloidal gold solutions.

Our work on the permeability changes in mental diseases was carried on further. A report on our first experiment, "Barrier Between the Blood and Cerebrospinal Fluid" by Dr. William A. Malamud, Dr. Douglas M. Fuchs, and Mr. Nathan Malamud appeared in the *Archives of Neurology and Psychiatry* in October, 1928. Especial consideration was given to the permeability changes in general paralysis, and their relation to the clinical course, especially after malarial treatment. The results of this study are incorporated in the paper by Dr. Wilson and Dr. Malamud. Basal metabolism determinations were carried out on 186 patients.

As in previous years, nearby physicians have availed themselves of our special laboratory facilities and various examinations, such as blood counts, urinalyses, smears, throat cultures, etc., were carried out in the laboratory for them.

Papers published:

Dr. Malamud: "The Role Played by the Cutaneous Senses in Spatial Perceptions," *Journal of Nervous and Mental Diseases*, Vol. 66, No. 6, December, 1927.

Dr. Lowenberg: "Rabies in Man," *Archives of Neurology and Psychiatry*, Vol. 19, April, 1928. *Zur Frage der elektiven Gessasserkrankung*, *Journal für Psychologie und Neurologie*, Bd. 36, Heft 1 u. 2, 1928. "Hyaline Degeneration of the Blood Vessels in Neurosyphilis," *Archives of Neurology and Psychiatry*, Vol. 20, October, 1928.

Dr. Malamud and Dr. Rothschild: "Some Modern Tendencies in Neurophysiology and their Relation to Neuropsychiatry," *Journal of Nervous and Mental Disease*, Vol. 68, No. 3, September, 1928.

Dr. Malamud, Dr. Fuchs and Nathan Malamud: "Barrier Between the Blood and the Cerebrospinal Fluid," *Archives of Neurology and Psychiatry*, Vol. 20, October, 1928.

Papers in press:

Dr. Malamud: "Psychoanalytic Interpretation of the Psychoses," *Psychoanalytic Review*. "Psychoanalytic Mechanisms in Clinical Psychiatry," *American Journal of Psychiatry*.

Dr. Malamud and Dr. Lowenberg: "The Role Played by the Capillaries in the Pathogenesis of General Paralysis," *Journal of Nervous and Mental Disease*. "A Contribution to the Problem of the Etiology and Classification of Alzheimer's Disease," *Archives of Neurology and Psychiatry*.

Dr. Lowenberg: "Über gefassbedingte Herde in Ammonshorn," *Journal für Psychologie und Psychiatrie*, Berlin. "Über eine elective Gefassserkrankung im Pallidum," *Journal für Psychologie und Psychiatrie*, Berlin.

Dr. Pardo: "A Contribution to the Study of Psychoses Occurring in the Course of Syphilitic Infections," *Philippine Island Medical Journal*.

#### OUT-PATIENT NEUROPSYCHIATRIC CLINIC.

The Out-Patient Neuropsychiatric Clinic in Brockton has continued under the direction of Dr. William Malamud.

The Clinic was held at the Brockton Hospital on Wednesday afternoons. The principal activities of the Clinic were focused on psychotherapeutic treatment of the patients. A close contact was also maintained with the physicians or agencies referring the cases to our clinic, informing them of our impressions as to the condition and further management of the cases.

Three hundred and seventy visits were made during this year. Of these 127 were first visits. Some of these were made on advice of physicians, others were referred by agencies, but there were also some who came in spontaneously. Fifty-one of these new cases were below seventeen years of age, and sixty-nine were adults.

Thirty-three of the new cases were considered under the heading of behavior problems. Some of the problems in question were: Difficulties at home, difficulties at school (not primarily due to feeble-mindedness), conflicts in the sexual life and asocial tendencies. All of the cases were seen on more than one occasion, and in most instances successful psychotherapeutic treatment was undertaken. In some of these cases, physical defects such as tendencies to endocrinopathies, faulty nutrition, visual defects, etc., were thoroughly investigated and an attempt at correction was made. The majority of these have made definite progress and a better adjustment. Twenty-four represented different types of psychoneuroses. Most of these were referred to the clinic on account of conversion symptoms. There were some compensation neuroses, some psychæsthenias. In the more serious of these cases, psychoanalytic treatment was undertaken; in the others, psychotherapy of one type or another. Here too repeated visits were made by the patients, and most of these cases have shown definite improvement with a better adjustment to their environment.

Twenty-eight were cases of mental deficiency. Institutional care in the very pronounced cases, and special classes in the less pronounced ones were considered the best solutions, and in most cases carried out.

During this period, there were some cases of definite psychoses referred to the clinic. Three of these belonged to the manic depressive group; two to the schizophrenias. There were two cases of senile psychosis; three cases of cerebrospinal



lues; four cases of general paresis; four cases of involution melancholia; two cases of cerebral arteriosclerosis; four cases of organic brain disease of different types; one case of post encephalitis; one with epilepsy; and eight with neurological disturbances. In most of these cases, observation and treatment at state hospitals was advised.

In addition to these clinic patients, cases with neuropsychiatric complications were seen on the wards in consultation with physicians of the Brockton Hospital, and suitable treatment and management of the cases from a neuropsychiatric point of view were outlined.

As in previous years, a course of three lectures on mental hygiene, psychotherapy, and treatment of mentally disturbed patients was given to the nurses at the Brockton Hospital.

All the patients below the age of seventeen, and most of the others, were given psychometric examinations by the psychologist, Miss Erma Juhl. As in previous years, the social service department, under the management of Miss Moseley, was of great assistance, in investigating the histories of the patients as well as following up the attempts at social adjustment of the clinic cases.

In the management of the Clinic, Dr. Malamud was assisted by other of the Foxborough State Hospital physicians who took turns in visiting the Clinic with him.

We would take this opportunity of expressing our thanks to the Superintendent and members of the Staff of the Brockton Hospital for their coöperation and valued assistance in conducting the work of the Clinic.

#### SCHOOL CLINIC.

The School Clinic was carried on by Dr. Cornelia B. Schorer assisted by Miss Erma Juhl who did the psychological work. The results obtained have been highly gratifying. Briefly they may be stated as follows:

Examinations were made in the schools of Weymouth, Norwood, East Bridgewater, Canton, Walpole, Foxborough, Braintree, Mansfield, Stoughton, Bellingham, Mendon, Needham, Milton, Bridgewater. Number of Examinations for first time: 160 males, 70 females, total, 230. Re-examinations: 45 males, 28 females, total, 73. Total examinations: 205 males, 98 females, total, 303. Number recommended for Special Class: 56 males, 41 females; total, 97.

#### DENTAL DEPARTMENT.

Dr. Arthur G. Webster assisted by Miss Pearl Vincent, Dental Hygienist, has given adequate care to the teeth of patients, making free use of the X-Ray as an aid to diagnosis. Examinations and treatments were as follows:

Total number of patients treated, 832; operations, 823; extractions, 343; fillings, 188; X-Rays taken, 161. Teeth cleaned and scaled, examined and charted, 1,338.

#### SOCIAL SERVICE DEPARTMENT.

The work of the Social Service Department has continued satisfactorily under the direction of Miss Elizabeth Moseley. The work of the tenth year of the department is summarized as follows:

This Department has dealt during the year since December 1, 1927, with a total of 735 cases (415 males, 320 females). Of these 528 (310 males, 218 females) were referred to the Department for the first time.

Of this total number, 436 (244 males, 192 females) were patients under commitment to this hospital. Of these patients, 260 (149 males, 111 females) were new admissions to the hospital during the year and automatically referred to this department for a social history and investigation, in accordance with the plan adopted in 1920 of making all admissions to the hospital social service cases. There were during the year 150 (69 males, 81 females) patients on visit from the hospital. Practically all of these patients on visit were kept in touch with either by calls or by letters, and in many cases intensive social treatment was given. The department helped to adjust a number of difficult problems, such as financial and employment difficulties, marital difficulties and friction with other relatives, personality problems, and the problem of securing proper recreation



for the patients. They also secured suitable medical attention in a number of cases for those suffering from physical illness, and in some cases assistance for patients or their families in the way of financial relief, legal aid, or proper care for the children. In some instances they had the children examined by one of our own psychiatrists at the hospital or at our Brockton Clinic.

The remaining 299 cases dealt with were those in the community not under commitment to the hospital. Of this number, 122 were cases of retarded school children, whose social histories were secured in connection with the school clinic work covering seven towns in the district, namely,—Bellingham, Braintree, Bridgewater, Mansfield, Mendon, Norwood, Stoughton. The other large group, 147 were patients reporting at the Brockton Neuropsychiatric Clinic, where 187 interviews were held, 51 with patients and 136 with other persons accompanying patients, frequently some local social worker. The physician at the Clinic has referred 12 patients to this Department for intensive social treatment, and the social worker has also assisted in the general management of the Clinic. The agencies referring patients most frequently to the Clinic are the Brockton Family Welfare Society, The Catholic Charities Center, the Society for the Prevention of Cruelty to Children, the Policematron, the Visiting Nurses Association, and the Dean of Women of the Bridgewater State Normal School.

An interesting recent development in our work has been that in connection with certain cases of persons awaiting trial who, in accordance with the Briggs Law, are being examined for their mental condition. There have been 22 such cases (21 males and 1 female) referred by the Superintendent during the year, for a complete social investigation. In a number of these cases the prisoners have been visited in order to ascertain leading data for the investigation.

In addition to these three groups, there have been a few cases, eight in number, referred by social service departments of other hospitals and by social agencies in the community, such as the Family Welfare Society and agencies for the care of children. In these cases our work has been that of coöperation in the matter of reporting to the agencies on certain home conditions or of helping to supervise some patient living in our vicinity.

The total number of interviews held during the year is as follows:

Interviews with patients, relatives or friends at hospital, 693.

Interviews with patients on the wards, 401.

Visits to patients outside the hospital, 70.

Visits to relatives or friends of patients, 294.

Visits to social agencies, 255.

Visits to other interested individuals, (Employers) neighbors, physicians, etc., 761.

Visits in School Clinic Work, 167.

Interviews at Neuropsychiatric Clinic, 187.

Total number of visits, 2,828.

During the first month of the fiscal year, the Department was under the management of Miss Gertrude L. Johnson (now Mrs. Fisher), Assistant Social Worker, while Miss Moseley was still on leave of absence in Vermont with the American Red Cross, through which she had been assigned in November, 1927, to take part in the Flood Relief Work. A report of this work was appended to the annual report of last year.

Mrs. Fisher resigned on October 1, being transferred to another State department. Miss Margaret J. Wilson, who had been training in the Department, also left the last of June, having secured a position as assistant social worker in the Binghamton State Hospital, New York. In her place we secured Miss Esther F. Glickman, who came into training in August as a student worker. She is to fill the vacancy left by Mrs. Fisher.

We have again had the privilege of coöperating with the Smith College School for Social Work in the training of its students. Miss Frederika Krichesky completed her period of practice work in May, 1928. In September two more students, the Misses M. Louise Thompson and Ruth F. Johnson were sent to us for the nine months of training.

## ENTERTAINMENT.

A friend of the Hospital has continued to donate moving pictures which have been shown weekly and have been a source of great enjoyment to the patients. We are indebted to residents of Foxborough and neighboring towns who have provided us with several plays and musicales; also with supplies of magazines. We would take this opportunity to express our appreciation of their thoughtfulness.

## FARM PRODUCTION.

Farm production for the year 1928 was better than usual, the value of the farm produce exceeding that of 1927 by about \$4,000. The principal increase was in potatoes, the production for 1927 being exceedingly small, while that of this year was about normal. The farm made an unusually good showing in pork production, exceeding that of 1927 by \$6,000.

Our herd is not giving us the milk production that it should, our average yearly milk yield per cow being considerably less for 1928 than for 1927. We hope during the next two years at least to bring the average milk production to over the 10,000-pound average.

We are making an effort to clear certain tracts of land at the Hersey Farm, endeavoring to bring a few acres under cultivation each year.

Our poultry, while decreased in number, makes a very satisfactory showing in egg production.

The following shows a detail of the farm production:

Milk, 157,142 pounds.

Eggs, 2,727  $1\frac{1}{3}$  pounds.

Vegetables: (*The figures relate to pounds.*) Asparagus, 973; beans, string, 15,253; beets, 15,330; beet greens, 450; cabbage, 22,499; cantaloupes, 1,744; carrots, 10,910; cauliflower, 2,098; celery, 3,435; chard, Swiss, 6,563; corn, sweet, 23,710; cucumbers, 7,175; lettuce, 3,787; onions, 9,028; parsnips, 7,678; peas, 3,159; peppers, 882; potatoes, 157,391; pumpkins, 785; radish, 21; rhubarb, 1,012; scallions, 1,060; spinach, 3,325; squash, summer, 6,112; squash, winter, 34,180; tomatoes, 23,869; turnips, 24,114.

Fruits: Apples, firsts, 577; apples, seconds, 2,965; quinces, 67; strawberries, 441.

Beef, 5,537; pork, 39,745; chicken, 2,568; fowl, 271 $\frac{3}{4}$ ; broilers, 2,100.

Hay, 11.8275 tons; ensilage, 100 tons.

## REPAIR DEPARTMENT.

The repair department accomplished a great deal by way of repairs incidental to maintenance. In addition much work was done in carrying to completion the renovation of Ward G.

## CONCLUSION.

I would take this opportunity to express my appreciation of the valued assistance rendered by all departments in carrying on the work of the institution throughout the year.

Respectfully,

RODERICK B. DEXTER, *Superintendent.*

## VALUATION.

November 30, 1928.

## REAL ESTATE.

Land, 346 acres . . . . .	\$35,400.00
Buildings . . . . .	1,642,551.79

\$1,677,951.79

## PERSONAL PROPERTY.

Travel, transportation and office expenses . . . . .	\$2,411.53
Food . . . . .	8,323.29
Clothing and materials . . . . .	15,270.22
Furnishings and household supplies . . . . .	140,147.20
Medical and general care . . . . .	23,888.99
Heat, light and power . . . . .	15,078.22
Farm . . . . .	27,991.07
Garage, stables and grounds . . . . .	8,357.75
Repairs . . . . .	14,648.37

\$256,116.64

## SUMMARY.

Real estate . . . . .	\$1,677,951.79
Personal property . . . . .	256,116.64

\$1,934,068.43

## FINANCIAL REPORT.

*To the Department of Mental Diseases:*

I respectfully submit the following report of the finances of this institution for the fiscal year ending November 30, 1928.

## CASH ACCOUNT.

*Receipts.*

<i>Income</i>		
Board of Patients . . . . .	\$51,261.31	\$51,261.31
Personal Services:		
Reimbursement from Board of Retirement . . . . .		119.65
Sales:		
Travel, transportation and office expenses . . . . .	\$28.36	
Food . . . . .	1,791.79	
Clothing and materials . . . . .	24.75	
Farm:		
Cows and calves . . . . .	\$259.00	
Pigs and hogs . . . . .		
Hides . . . . .	91.10	
Repairs, ordinary . . . . .		350.10
X-Rays . . . . .		48.92
Total sales . . . . .		383.00
Miscellaneous:		
Interest on bank balances . . . . .	\$313.37	
Rent . . . . .	536.11	
Sundries . . . . .		849.48
Total income . . . . .		\$54,857.36

## MAINTENANCE.

Balance from previous year, brought forward . . . . .	\$4,541.00
Appropriations, current year:	
Personal services . . . . .	391,100.00
Food . . . . .	2,670.00
	1,000.00
Total . . . . .	\$399,311.00
Expenses (as analyzed below) . . . . .	391,434.48
Balance reverting to Treasury of Commonwealth . . . . .	\$7,876.52

*Analysis of Expenses.*

Personal services . . . . .	\$193,463.92
Religious instruction . . . . .	1,524.46
Travel, transportation and office expenses . . . . .	5,491.48
Food . . . . .	58,499.72
Clothing and materials . . . . .	13,905.52
Furnishings and household supplies . . . . .	19,816.09
Medical and general care . . . . .	15,423.33
Heat, light and power . . . . .	39,112.78
Farm . . . . .	22,499.35
Garage, stable and grounds . . . . .	5,861.02
Repairs ordinary . . . . .	8,506.91
Repairs and renewals . . . . .	7,329.90
Total expenses for maintenance . . . . .	\$391,434.48

## SPECIAL APPROPRIATIONS.

Balance December 1, 1927		\$23,438.44
Appropriations for current year		35,500.00
Total		\$58,938.44
Expended during the year (see statement below)	\$24,140.61	
Reverting to Treasury of Commonwealth		24,140.61
Balance November 30, 1928, carried to next year		\$34,797.83

OBJECT.	Act or Resolve.	Whole Amount.	Expended during Fiscal Year.	Total expended to Date.	Balance at end of Year.
Addition to Ward Building No. 12	1926-1927	\$200,000.00	\$10,830.66	\$198,482.57	\$1,517.43
Horse barn	1926	5,000.00	550.59	5,000.00	—
Food trucks	1927	2,000.00	39.20	1,999.20	.80
Electrical connections	1927	3,000.00	2,863.72	2,863.72	136.28
Renovation of Wards C and D	1927-1928	25,000.00	7,627.75	7,627.99	17,372.01
Alteration to Boiler House	1928	18,000.00	2,228.69	2,228.69	15,771.31
		\$253,000.00	\$24,140.61	\$218,202.17	\$34,797.83

Balance reverting to Treasury of the Commonwealth during year	—
Balance carried to next year	\$34,797.83
Total as above	\$34,797.83

## PER CAPITA.

During the year the average number of inmates has been 920.298.  
 Total cost for maintenance, \$391,434.48.  
 Equal to a weekly per capita cost of \$8.1347. (52 weeks to year.)  
 Receipt from sales, \$2,626.92.  
 Equal to a weekly per capita of \$.05489.  
 All other institution receipts, \$52,230.44.  
 Equal to a weekly per capita of \$1.092.  
 Net weekly per capita, \$6.9947.

Respectfully submitted,  
 HARRIETT S. BAYLEY, *Treasurer.*

## STATISTICAL TABLES.

AS ADOPTED BY THE AMERICAN PSYCHIATRIC ASSOCIATION  
 PRESCRIBED BY THE MASSACHUSETTS DEPARTMENT OF MENTAL DISEASES.

TABLE 1. *General Information.*

Data correct at end of hospital year, November 30, 1928.

1. Date of opening as a hospital for mental diseases, June 1, 1914.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																</
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NOTE: The following items, 5-9, inclusive, are for the year ended September 30, 1928.

5. Census of Patient Population at end of year:

	Actually in Hospital.			Absent from Hospital but Still on Books.		
	M.	F.	T.	M.	F.	T.
White:						
Insane . . . . .	424	449	873	60	50	110
Epileptics . . . . .	1	—	1	—	—	—
Mental defectives . . . . .	11	22	33	1	1	2
All other cases . . . . .	4	3	7	3	—	3
Total . . . . .	440	474	914	64	51	115
Other races:						
Insane . . . . .	19	24	43	3	—	3
Total . . . . .	19	24	43	3	—	3
Grand total . . . . .	459	498	957	67	51	118
6. Patients under treatment in occupational therapy classes, including physical training, on date of report . . . . .	M.	F.	T.			
7. Other patients employed in general work of hospital on date of report . . . . .	—	—	—			
8. Average daily number of all patients actually in hospital during year . . . . .	426	478	904			
9. Voluntary patients admitted during year . . . . .	4	3	7			

TABLE 2. *Financial Statement.*

See Treasurer's report for data requested under this table.

Note: The following Tables, 3-18, inclusive, are for the statistical year ended September 30, 1928.

TABLE 3. *Movement of Patient Population.*

	INSANE.			SANE, VOLUNTARY.			TEMPORARY CARE AND OBSERVATION.			TOTAL ON BOOKS.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Patients on books of Institution September 30, 1927 . . . . .	467	498	965	5	-	5	-	1	1	472	499	971
2. Admissions during year:												
(a) First admissions . . . . .	114	79	193	3	2	5	5	4	9	122	85	207
(b) Readmissions . . . . .	19	36	55	1	1	2	5	2	7	25	39	64
(c) Transfers from other hospitals for mental diseases . . . . .	16	7	23	-	-	-	-	-	-	16	7	23
3. Total received during year . . . . .	149	122	271	4	3	7	10	6	16	163	131	294
4. Total on books during year . . . . .	616	620	1,236	9	3	12	10	7	17	635	630	1,265
5. Discharged from books during year:												
(a) As recovered . . . . .	1	3	4	-	1	1	1	-	1	2	4	6
(b) As improved . . . . .	39	37	76	4	1	5	-	-	-	43	38	81
(c) As unimproved . . . . .	15	9	24	1	-	1	-	2	2	16	11	27
(d) As without psychosis . . . . .	1	-	1	-	-	-	3	4	7	4	4	8
(e) Transferred to other hospitals for mental diseases . . . . .	2	1	3	-	-	-	-	-	-	2	1	3
(f) Died during year . . . . .	38	21	59	-	1	1	4	1	5	42	23	65
6. Total discharged, transferred and died during year . . . . .	96	71	167	5	3	8	8	7	15	109	81	190
7. Insane patients remaining on books of hospital at end of hospital year:												
(a) In hospital . . . . .	454	498	952	4	-	4	1	-	1	459	498	957
(b) On parole or otherwise absent . . . . .	66	51	117	-	-	-	1	-	1	67	51	118
Total . . . . .	520	549	1,069	4	-	4	2	-	2	526	549	1,075

TABLE 4. *Nativity of First Admissions and of Parents of First Admissions.*

NATIVITY.	PATIENTS.			PARENTS OF MALE PATIENTS.			PARENTS OF FEMALE PATIENTS.		
	M.	F.	T.	Fathers.	Mothers.	Both Parents.	Fathers.	Mothers.	Both Parents.
United States . . . . .	62	55	117	35	37	29	31	30	26
Africa . . . . .	1	—	1	—	—	—	—	—	—
Canada <sup>1</sup> . . . . .	10	7	17	12	13	10	10	12	9
China . . . . .	1	—	1	—	1	—	—	—	—
England . . . . .	2	2	4	4	4	3	5	4	3
Finland . . . . .	1	—	1	1	1	1	—	—	—
Germany . . . . .	2	—	2	2	2	2	1	2	1
Greece . . . . .	3	—	3	3	3	3	—	—	—
Ireland . . . . .	12	6	18	30	24	24	16	18	16
Italy . . . . .	3	2	5	5	5	5	4	3	3
Mexico . . . . .	—	1	1	—	—	—	1	1	1
Poland . . . . .	1	1	2	1	1	1	1	1	1
Portugal . . . . .	3	—	3	3	3	3	—	—	—
Russia . . . . .	4	2	6	5	5	5	3	2	2
Scotland . . . . .	1	2	3	2	1	1	3	3	3
Sweden . . . . .	3	—	3	4	4	4	1	1	1
Turkey in Europe . . . . .	1	—	1	1	1	1	—	—	—
Wales . . . . .	1	—	1	—	1	—	—	—	—
West Indies <sup>2</sup> . . . . .	—	—	—	1	—	—	—	—	—
Other countries . . . . .	3	1	4	3	4	3	1	1	1
Unascertained . . . . .	—	—	—	2	4	1	2	1	1
Total . . . . .	114	79	193	114	114	96	79	79	68

<sup>1</sup> Includes Newfoundland.<sup>2</sup> Except Cuba and Porto Rico.





TABLE 5. *Citizenship of First Admissions.*

	Males.	Females.	Total.
Citizens by birth . . . . .	62	55	117
Citizens by naturalization . . . . .	16	10	26
Aliens . . . . .	34	12	46
Citizenship unascertained . . . . .	2	2	4
Total . . . . .	114	79	193

TABLE 6. *Psychoses of First Admissions.*

PSYCHOSES.	M.	F.	T.	M.	F.	T.
1. Traumatic psychoses . . . . .						
2. Senile psychoses . . . . .				10	7	17
3. Psychoses with cerebral arteriosclerosis . . . . .				7	3	10
4. General paralysis . . . . .				6	3	9
5. Psychoses with cerebral syphilis . . . . .				3	3	6
6. Psychoses with Huntington's chorea . . . . .						
7. Psychoses with brain tumor . . . . .						
8. Psychoses with other brain or nervous diseases, total Other diseases . . . . .	4	2	6	4	2	6
9. Alcoholic psychoses, total . . . . .				9	—	9
Delirium tremens . . . . .	2	—	2			
Acute hallucinosis . . . . .	3	—	3			
Other types, acute or chronic . . . . .	4	—	4			
10. Psychoses due to drugs and other exogenous toxins, total Other exogenous toxins . . . . .	1	—	1	1	—	1
11. Psychoses with pellagra . . . . .						
12. Psychoses with other somatic diseases, total . . . . .				1	3	4
Post-infectious psychosis . . . . .	—	1	1			
Delirium of unknown origin . . . . .	—	1	1			
Cardio-renal diseases . . . . .	1	—	1			
Other diseases or conditions . . . . .	—	1	1			
13. Manic-depressive psychoses, total . . . . .				6	15	21
Manic type . . . . .	4	4	8			
Depressive type . . . . .	2	9	11			
Other types . . . . .	—	2	2			
14. Involution melancholia . . . . .				2	5	7
15. Dementia præcox (schizophrenia) . . . . .				19	18	37
16. Paranoia and paranoid conditions . . . . .				7	3	10
17. Epileptic psychoses . . . . .						
18. Psychoneuroses and neuroses, total . . . . .				1	1	2
Neurasthenic type . . . . .	1	1	2			
19. Psychoses with psychopathic personality . . . . .				1	2	3
20. Psychoses with mental deficiency . . . . .				1	2	3
21. Undiagnosed psychoses . . . . .				36	12	48
22. Without psychosis, total . . . . .						
Total . . . . .				114	79	193

TABLE 7. *Race of First Admissions Classified with Reference to Principal Psychoses.*

RACE.	Total.			Traumatic.			Senile.			With cerebral arterio-sclerosis.			General paralysis.			With cerebral syphilis.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	2	3	5	-	-	-	-	-	-	-	-	-	1	-	1	1	-	1
Armenian	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chinese	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
East Indian	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
English	27	21	48	-	-	-	5	3	8	2	2	4	1	1	2	-	1	1
French	2	5	7	-	-	-	1	-	1	-	-	-	-	1	1	-	1	1
German	2	3	5	-	-	-	-	-	-	-	-	-	1	-	1	-	1	1
Greek	3	-	3	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Hebrew	1	4	5	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
Irish	38	21	59	-	-	-	1	2	3	3	1	4	3	1	4	-	1	1
Italian <sup>1</sup>	5	4	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lithuanian	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mexican	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portuguese	3	-	3	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Scandinavian <sup>2</sup>	7	1	8	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
Scotch	1	6	7	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-
Slavonic <sup>3</sup>	2	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Welsh	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mixed	8	5	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Race unascertained	7	2	9	-	-	-	2	-	2	1	-	1	-	-	-	-	-	-
Total	114	79	193	-	-	-	10	7	17	7	3	10	6	3	9	3	3	6

<sup>1</sup> Includes "North" and "South."<sup>2</sup> Norwegians, Danes and Swedes.<sup>3</sup> Includes Bohemian, Bosnian, Croatian, Dalmatian, Herzegovinian, Montenegrin, Moravian, Polish, Russian, Ruthenian, Servian, Slovak, Slovenian.TABLE 7. *Race of First Admissions Classified with Reference to Principal Psychoses — Continued.*

RACE.	With Huntington's chorea.			With brain tumor.			With other brain or nervous diseases.			Alcoholic.			Due to drugs and other exogenous toxins.			With pellagra.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Armenian	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chinese	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
East Indian	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
English	-	-	-	-	-	-	2	-	2	1	-	1	-	-	-	-	-	-
French	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
German	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Greek	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hebrew	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Irish	-	-	-	-	-	-	-	1	1	3	-	3	-	-	-	-	-	-
Italian <sup>1</sup>	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
Lithuanian	-	-	-	-	-	-	-	-	-	1	-	1	1	-	1	-	-	-
Mexican	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portuguese	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
Scandinavian <sup>2</sup>	-	-	-	-	-	-	-	-	-	3	-	3	-	-	-	-	-	-
Scotch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Slavonic <sup>3</sup>	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
Welsh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mixed	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Race unascertained	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	4	2	6	9	-	9	1	-	1	-	-	-

<sup>1</sup> Includes "North" and "South."<sup>2</sup> Norwegians, Danes and Swedes.<sup>3</sup> Includes Bohemian, Bosnian, Croatian, Dalmatian, Herzegovinian, Montenegrin, Moravian, Polish, Russian, Ruthenian, Servian, Slovak, Slovenian.

TABLE 7. *Race of First Admissions Classified with Reference to Principal Psychoses* — Continued.

RACE.	With other somatic diseases.			Manic- depressive.			Involution me'an- cholia.			Dementia præcox.			Paranoia and paranoid conditions.			Epileptic psychoses.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	-	-	-	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-
Armenian	-	-	-	1	-	1	-	-	-	1	1	-	-	-	-	-	-	-
Chinese	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
East Indian	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
English	1	-	1	-	4	4	1	-	1	5	4	9	1	-	1	-	-	-
French	-	1	1	-	-	-	-	1	1	-	1	1	-	-	-	-	-	-
German	-	1	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Greek	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
Hebrew	-	-	-	-	2	2	-	1	1	-	-	-	-	-	-	-	-	-
Irish	-	-	-	3	4	7	1	2	3	6	4	10	3	1	4	-	-	-
Italian <sup>1</sup>	-	-	-	-	-	-	-	-	-	2	3	5	2	-	2	-	-	-
Lithuanian	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mexican	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Portuguese	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
Scandinavian <sup>2</sup>	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-
Scotch	-	-	-	-	-	-	-	1	1	-	-	-	-	2	2	-	-	-
Slavonic <sup>3</sup>	-	-	-	-	1	1	-	-	-	1	-	1	-	-	-	-	-	-
Welsh	-	-	-	-	1	1	-	-	-	-	-	-	1	-	1	-	-	-
Mixed	-	1	1	2	1	3	-	-	-	2	2	4	-	-	-	-	-	-
Race unascertained	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
Total	1	3	4	6	15	21	2	5	7	19	18	37	7	3	10	-	-	-

<sup>1</sup> Includes "North" and "South."<sup>2</sup> Norwegians, Danes and Swedes.<sup>3</sup> Includes Bohemian, Bosnian, Croatian, Dalmatian, Herzegovinian, Montenegrin, Moravian, Polish, Russian, Ruthenian, Servian, Slovak, Slovenian.TABLE 7. *Race of First Admissions Classified with Reference to Principal Psychoses* — Concluded.

RACE.	Psycho- neuroses and neuroses.			With psycho- pathic personality.			With mental deficiency.			Un- diagnosed psychoses.			Without psychosis.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-
Armenian	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chinese	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
East Indian	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
English	1	1	2	1	1	2	1	1	2	5	3	8	-	-	-
French	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
German	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
Greek	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
Hebrew	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
Irish	-	-	-	-	-	-	-	-	-	15	4	19	-	-	-
Italian <sup>1</sup>	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-
Lithuanian	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mexican	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portuguese	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scandinavian <sup>2</sup>	-	-	-	-	-	-	-	-	-	3	-	3	-	-	-
Scotch	-	-	-	-	-	-	1	1	-	1	-	1	-	-	-
Slavonic <sup>3</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Welsh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mixed	-	-	-	-	-	-	-	-	-	4	1	5	-	-	-
Race unascertained	-	-	-	-	-	-	-	-	-	3	2	5	-	-	-
Total	1	1	2	1	2	3	1	2	3	36	12	48	-	-	-

<sup>1</sup> Includes "North" and "South."<sup>2</sup> Norwegians, Danes and Swedes.<sup>3</sup> Includes Bohemian, Bosnian, Croatian, Dalmatian, Herzegovinian, Montenegrin, Moravian, Polish, Russian, Ruthenian, Servian, Slovak, Slovenian.

TABLE 8. *Age of First Admissions Classified with Reference to Principal Psychoses.*

PSYCHOSES.	Total.			Under 15 years.			15-19 years.			20-24 years.			25-29 years.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile	10	7	17	—	—	—	—	—	—	—	—	—	—	—	—
3. With cerebral arteriosclerosis	7	3	10	—	—	—	—	—	—	—	—	—	—	—	—
4. General paralysis	6	3	9	—	—	—	—	—	—	—	—	—	—	—	—
5. With cerebral syphilis	3	3	6	—	—	—	—	—	—	—	—	—	1	—	1
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	4	2	6	—	—	—	—	—	—	1	—	1	—	—	—
9. Alcoholic	9	—	9	—	—	—	—	—	—	—	—	—	—	—	—
10. Due to drugs and other exogenous toxins	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	1	3	4	—	—	—	—	—	—	—	—	—	—	—	—
13. Manic-depressive	6	15	21	—	—	—	1	1	3	2	5	—	3	3	—
14. Involution melancholia	2	5	7	—	—	—	—	—	—	—	—	—	—	—	—
15. Dementia præcox	19	18	37	1	—	1	—	—	—	3	1	4	6	6	12
16. Paranoia and paranoid conditions	7	3	10	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic psychoses	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
18. Psychoneuroses and neuroses	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—
19. With psychopathic personality	1	2	3	—	—	—	—	—	—	1	2	3	—	—	—
20. With mental deficiency	1	2	3	—	—	—	1	1	—	—	—	—	—	1	1
21. Undiagnosed psychoses	36	12	48	—	—	—	1	1	2	4	1	5	3	1	4
22. Without psychosis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	114	79	193	1	—	1	1	3	4	12	6	18	10	11	21

TABLE 8. *Age of First Admissions Classified with Reference to Principal Psychoses — Continued.*

PSYCHOSES.	30-34 years.			35-39 years.			40-44 years.			45-49 years.			50-54 years.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3. With cerebral arteriosclerosis	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
4. General paralysis	—	—	—	—	—	—	1	1	2	4	1	5	1	—	—
5. With cerebral syphilis	—	—	—	—	—	—	—	1	1	—	2	2	2	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	—	—	—	—	—	—	1	—	1	2	1	3	—	—	—
9. Alcoholic	1	—	1	2	—	2	3	—	3	2	—	2	—	—	—
10. Due to drugs and other exogenous toxins	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—
11. With pellagra	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	—	1	1	—	—	—	—	1	1	—	—	—	—	1	1
13. Manic-depressive	—	3	3	1	—	1	1	1	2	—	1	1	—	2	2
14. Involution melancholia	—	—	—	—	—	—	—	2	2	—	1	1	2	1	3
15. Dementia præcox	—	3	3	3	5	8	4	1	5	1	1	2	1	1	2
16. Paranoia and paranoid conditions	1	—	1	2	—	2	1	—	1	1	1	2	1	—	1
17. Epileptic psychoses	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
18. Psychoneuroses and neuroses	1	—	1	—	—	—	—	1	1	—	—	—	—	—	—
19. With psychopathic personality	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20. With mental deficiency	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
21. Undiagnosed psychoses	3	1	4	3	1	4	3	1	4	3	—	3	3	1	4
22. Without psychosis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	7	8	15	13	8	21	18	10	28	11	5	16	8	6	14

TABLE 8. *Age of First Admissions Classified with Reference to Principal Psychoses — Concluded.*

PSYCHOSES.	55-59 years.			60-64 years.			65-69 years.			70 years and over.			Unascertained.
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	
1. Traumatic . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-
2. Senile . . . . .	-	-	-	1	-	1	2	-	2	7	7	14	-
3. With cerebral arteriosclerosis . . . . .	2	-	2	-	-	-	3	1	4	1	2	3	-
4. General paralysis . . . . .	-	-	-	-	1	1	-	-	-	-	-	-	-
5. With cerebral syphilis . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-
6. With Huntington's chorea . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases . . . . .	-	1	1	-	-	-	-	-	-	-	-	-	-
9. Alcoholic . . . . .	-	-	-	1	-	1	-	-	-	-	-	-	-
10. Due to drugs and other exogenous toxins . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases . . . . .	-	-	1	-	-	-	-	-	-	-	-	-	-
13. Manic-depressive . . . . .	1	-	1	-	1	1	-	1	1	-	-	-	-
14. Involution melancholia . . . . .	-	1	1	-	-	-	-	-	-	-	-	-	-
15. Dementia præcox . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-
16. Paranoia and paranoid conditions . . . . .	-	1	1	1	1	2	-	-	-	-	-	-	-
17. Epileptic psychoses . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-
18. Psychoneuroses and neuroses . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-
19. With psychopathic personality . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-
20. With mental deficiency . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-
21. Undiagnosed psychoses . . . . .	4	-	4	1	3	4	4	2	6	4	-	4	-
22. Without psychosis . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-
Total . . . . .	8	3	11	4	6	10	9	4	13	12	9	21	-





TABLE 10. *Environment of First Admissions Classified with Reference to Principal Psychoses.*

PSYCHOSES.	Total.			Urban.			Rural.			Unascertained.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile	10	7	17	10	7	17	—	—	—	—	—	—
3. With cerebral arteriosclerosis	7	3	10	7	3	10	—	—	—	—	—	—
4. General paralysis	6	3	9	6	2	8	—	1	1	—	—	—
5. With cerebral syphilis	3	3	6	3	3	6	—	—	—	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	4	2	6	4	2	6	—	—	—	—	—	—
9. Alcoholic	9	—	9	9	—	9	—	—	—	—	—	—
10. Due to drugs and other exogenous toxins	1	—	1	1	—	1	—	—	—	—	—	—
11. With pellagra	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	1	3	4	1	3	4	—	—	—	—	—	—
13. Manic-depressive	6	15	21	6	14	20	—	1	1	—	—	—
14. Involution melancholia	2	5	7	2	5	7	—	—	—	—	—	—
15. Dementia præcox	19	18	37	19	18	37	—	—	—	—	—	—
16. Paranoia and paranoid conditions	7	3	10	7	3	10	—	—	—	—	—	—
17. Epileptic psychoses	—	—	—	—	—	—	—	—	—	—	—	—
18. Psychoneuroses and neuroses	1	1	2	1	1	2	—	—	—	—	—	—
19. With psychopathic personality	1	2	3	1	1	2	—	—	—	—	1	1
20. With mental deficiency	1	2	3	1	2	3	—	—	—	—	—	—
21. Undiagnosed psychoses	36	12	48	36	12	48	—	—	—	—	—	—
22. Without psychosis	—	—	—	—	—	—	—	—	—	—	—	—
Total	114	79	193	114	76	190	—	2	2	—	1	1

TABLE 11. *Economic Condition of First Admissions Classified with Reference to Principal Psychoses.*

PSYCHOSES.	Total.			Dependent.			Marginal.			Comfortable.			Unascertained.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile	10	7	17	1	—	1	8	5	13	1	1	2	—	1	1
3. With cerebral arteriosclerosis	7	3	10	1	—	1	6	3	9	—	—	—	—	—	—
4. General paralysis	6	3	9	1	—	1	5	3	8	—	—	—	—	—	—
5. With cerebral syphilis	3	3	6	—	—	—	3	3	6	—	—	—	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	4	2	6	—	1	1	4	1	5	—	—	—	—	—	—
9. Alcoholic	9	—	9	—	—	—	8	—	8	1	—	1	—	—	—
10. Due to drugs and other exogenous toxins	1	—	1	—	—	—	1	—	1	—	—	—	—	—	—
11. With pellagra	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	1	3	4	—	—	—	1	3	4	—	—	—	—	—	—
13. Manic-depressive	6	15	21	—	3	3	6	12	18	—	—	—	—	—	—
14. Involution melancholia	2	5	7	—	—	—	2	5	7	—	—	—	—	—	—
15. Dementia præcox	19	18	37	—	—	—	19	16	35	—	2	2	—	—	—
16. Paranoia and paranoid conditions	7	3	10	—	—	—	7	3	10	—	—	—	—	—	—
17. Epileptic psychoses	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
18. Psychoneuroses and neuroses	1	1	2	—	1	1	1	—	1	—	—	—	—	—	—
19. With psychopathic personality	1	2	3	—	—	—	—	2	2	1	—	1	—	—	—
20. With mental deficiency	1	2	3	—	1	1	1	1	2	—	—	—	—	—	—
21. Undiagnosed psychoses	36	12	48	2	2	4	33	9	42	1	1	2	—	—	—
22. Without psychosis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	114	79	193	5	8	13	105	66	171	4	4	8	—	1	1

TABLE 12. *Use of Alcohol by First Admissions Classified with Reference to Principal Psychoses.*

PSYCHOSES.	Total.			Abstinent.			Temperate.			Intemperate.			Unascertained.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2. Senile . . . . .	10	7	17	1	6	7	5	1	6	4	-	4	-	-	-
3. With cerebral arteriosclerosis . . . . .	7	3	10	-	2	2	4	-	4	2	-	2	1	1	2
4. General paralysis . . . . .	6	3	9	3	2	5	2	-	2	1	-	1	-	1	1
5. With cerebral syphilis . . . . .	3	3	6	-	1	1	2	2	4	1	-	1	-	-	-
6. With Huntington's chorea . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases . . . . .	4	2	6	2	-	2	2	1	3	-	-	-	-	1	1
9. Alcoholic . . . . .	9	-	9	-	-	-	-	-	-	9	-	9	-	-	-
10. Due to drugs and other exogenous toxins . . . . .	1	-	1	-	-	-	-	-	-	1	-	1	-	-	-
11. With pellagra . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases . . . . .	1	3	4	-	1	1	-	2	2	1	-	1	-	-	-
13. Manic-depressive . . . . .	6	15	21	3	11	14	2	3	5	1	-	1	-	1	1
14. Involution melancholia . . . . .	2	5	7	1	3	4	1	1	2	-	-	-	-	1	1
15. Dementia præcox . . . . .	19	18	37	9	13	22	7	5	12	2	-	2	1	-	1
16. Paranoia and paranoid conditions . . . . .	7	3	10	1	-	1	4	3	7	2	-	2	-	-	-
17. Epileptic psychoses . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18. Psychoneuroses and neuroses . . . . .	1	1	2	1	1	2	-	-	-	-	-	-	-	-	-
19. With psychopathic personality . . . . .	1	2	3	-	-	-	1	1	2	-	-	-	-	1	1
20. With mental deficiency . . . . .	1	2	3	1	2	3	-	-	-	-	-	-	-	-	-
21. Undiagnosed psychoses . . . . .	36	12	48	10	7	17	12	3	15	9	-	9	5	2	7
22. Without psychosis . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total . . . . .	114	79	193	32	49	81	42	22	64	33	-	33	7	8	15



TABLE 13. *Marital Condition of First Admissions Classified with Reference to Principal Psychoses.*

Psychoses.	Total.		Single.			Married.			Widowed.			Separated.			Divorced.		Unascertained.
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.		
1. Traumatic . . . . .	—	7	17	3	2	5	—	4	1	5	—	—	—	—	—	—	
2. Senile . . . . .	10	7	17	—	—	—	—	4	1	5	—	—	—	—	—	—	
3. With cerebral arteriosclerosis . . . . .	7	3	10	2	2	4	—	4	4	8	—	—	—	—	—	—	
4. General paralysis . . . . .	6	3	9	3	—	3	—	3	3	6	—	—	—	—	—	—	
5. With cerebral syphilis . . . . .	3	3	6	2	—	2	—	—	—	—	—	—	—	—	—	—	
6. With Huntington's chorea . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
7. With brain tumor . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
8. With other brain or nervous diseases . . . . .	4	2	6	4	—	4	—	—	—	—	—	—	—	—	—	—	
9. Alcoholic . . . . .	9	—	9	4	—	4	—	3	1	4	—	—	—	—	—	—	
10. Due to drugs and other exogenous toxins . . . . .	1	—	1	1	—	1	—	—	—	—	—	—	—	—	—	—	
11. With pellagra . . . . .	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	
12. With other somatic diseases . . . . .	1	3	4	—	—	—	—	—	—	—	—	—	—	—	—	—	
13. Manic-depressive . . . . .	6	15	21	4	5	9	—	1	6	7	—	—	—	—	—	—	
14. Involution melancholia . . . . .	2	5	7	2	4	6	—	—	—	—	—	—	—	—	—	—	
15. Dementia præcox . . . . .	19	18	37	16	7	23	—	2	7	9	—	—	—	—	—	—	
16. Paranoia and paranoid conditions . . . . .	7	3	10	2	1	3	—	4	2	6	—	—	—	—	—	—	
17. Epileptic psychoses . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
18. Psychoneuroses and neuroses . . . . .	1	1	2	—	—	—	—	1	1	2	—	—	—	—	—	—	
19. With psychopathic personality . . . . .	1	2	3	1	1	2	—	—	—	—	—	—	—	—	—	—	
20. With mental deficiency . . . . .	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	
21. Undiagnosed psychoses . . . . .	36	12	48	15	6	21	—	14	5	19	—	—	—	—	—	—	
22. Without psychosis . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Total . . . . .	114	79	193	60	30	90	36	31	67	11	9	20	2	6	8	—	
													5	3	8	—	

TABLE 14. *Psychoses of Readmissions.*

PSYCHOSES.	Males. Females. Total.		
1. Traumatic psychoses . . . . .	—	—	—
2. Senile psychoses . . . . .	—	—	—
3. Psychoses with cerebral arteriosclerosis . . . . .	1	—	1
4. General paralysis . . . . .	—	1	1
5. Psychoses with cerebral syphilis . . . . .	—	—	—
6. Psychoses with Huntington's chorea . . . . .	—	—	—
7. Psychoses with brain tumor . . . . .	—	—	—
8. Psychoses with other brain or nervous diseases . . . . .	1	—	1
9. Alcoholic psychoses . . . . .	—	—	—
10. Psychoses due to drugs and other exogenous toxins . . . . .	—	—	—
11. Psychoses with pellagra . . . . .	—	—	—
12. Psychoses with other somatic diseases . . . . .	—	1	1
13. Manic-depressive psychoses . . . . .	3	9	12
14. Involution melancholia . . . . .	—	3	3
15. Dementia præcox . . . . .	7	12	19
16. Paranoia and paranoid conditions . . . . .	1	—	1
17. Epileptic psychoses . . . . .	—	2	2
18. Psychoneuroses and neuroses . . . . .	—	2	2
19. Psychoses with psychopathic personality . . . . .	1	—	1
20. Psychoses with mental deficiency . . . . .	—	2	2
21. Undiagnosed psychoses . . . . .	5	3	8
22. Without psychosis . . . . .	—	1	1
Total . . . . .	19	36	55

TABLE 15. *Discharge of Patients Classified with Reference to Principal Psychoses and Condition of Discharge.*

PSYCHOSES.	Total.			Recovered.			Improved.			Unimproved.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic . . . . .	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile . . . . .	1	2	3	—	—	—	1	2	3	—	—	—
3. With cerebral arteriosclerosis . . . . .	2	—	2	—	—	—	2	—	2	—	—	—
4. General paralysis . . . . .	1	1	2	—	—	—	1	1	2	—	—	—
5. With cerebral syphilis . . . . .	1	—	1	1	—	1	—	—	—	—	—	—
6. With Huntington's chorea . . . . .	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor . . . . .	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases . . . . .	2	1	3	—	—	—	2	—	2	—	1	1
9. Alcoholic . . . . .	7	—	7	—	—	—	7	—	7	—	—	—
10. Due to drugs and other exogenous toxins . . . . .	1	—	1	—	—	—	1	—	1	—	—	—
11. With pellagra . . . . .	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases . . . . .	1	1	2	—	1	1	1	—	1	—	—	—
13. Manic-depressive . . . . .	6	15	21	—	1	1	6	13	19	—	1	1
14. Involution melancholia . . . . .	1	—	1	—	—	—	1	—	1	—	—	—
15. Dementia præcox . . . . .	20	24	44	—	1	1	11	18	29	9	5	14
16. Paranoia and paranoid conditions . . . . .	3	2	5	—	—	—	1	—	1	2	2	4
17. Epileptic psychoses . . . . .	1	—	1	—	—	—	—	—	—	1	—	1
18. Psychoneuroses and neuroses . . . . .	1	1	2	—	—	—	1	1	2	—	—	—
19. With psychopathic personality . . . . .	4	1	5	—	—	—	3	1	4	1	—	1
20. With mental deficiency . . . . .	3	—	3	—	—	—	1	—	1	2	—	2
21. Undiagnosed psychoses . . . . .	—	1	1	—	—	—	—	1	1	—	—	—
22. Without psychosis . . . . .	1	—	1	—	—	—	—	—	—	—	—	—
Total . . . . .	56	49	105	1	3	4	39	37	76	15	9	24

TABLE 16. *Causes of Death of Patients Classified with Reference to Principal Psychoses.*

CAUSES OF DEATH.	Total.		Senile.		With cerebral arterio-sclerosis.		General paralysis.		Alcoholic.		Manic-depressive.		Involution melancholia.	
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.
<i>Epidemic, Endemic and Infectious Diseases.</i>														
Tuberculosis of the respiratory system . . .	4	-	4	-	-	-	-	-	-	1	-	1	-	-
Purulent infection, septicaemia . . .	2	-	2	1	-	1	-	-	-	-	-	-	-	-
<i>General Diseases Not Included in Class I.</i>														
Cancer and other malignant tumors . . .	2	2	4	2	4	6	-	-	-	1	-	1	-	-
Other general diseases . . .	3	5	8	2	4	6	1	-	1	-	-	-	-	-
<i>Diseases of the Nervous System.</i>														
Meningitis (non-epidemic) . . .	1	-	1	1	-	1	-	-	-	-	-	-	-	-
Cerebral hemorrhage, apoplexy . . .	3	1	4	-	1	1	2	-	-	-	-	-	-	-
General paralysis of the insane . . .	-	2	2	-	-	-	2	2	-	-	-	-	-	-
Other diseases of the nervous system . . .	1	1	2	-	1	1	-	-	-	-	-	-	-	-
<i>Diseases of the Circulatory System.</i>														
Endocarditis and myocarditis . . .	6	4	10	-	1	1	2	-	-	-	-	-	1	1
Arteriosclerosis . . .	-	2	2	-	-	-	2	2	-	-	-	-	-	-
Other diseases of the arteries . . .	1	-	1	-	-	-	-	-	-	-	-	-	-	-
Other diseases of the circulatory system . . .	-	1	1	-	-	-	-	-	-	-	-	-	-	-
<i>Diseases of the Respiratory System.</i>														
Lobar pneumonia . . .	3	1	4	2	-	2	-	-	-	-	-	-	-	-
Other diseases of the respiratory system (tuberculosis excepted) . . .	6	1	7	1	1	2	-	-	1	-	1	-	-	-
<i>Diseases of the Digestive System.</i>														
Diarrhea and enteritis . . .	-	1	1	-	-	-	-	-	-	-	-	-	-	-
Other diseases of digestive system (cancer and tuberculosis excepted) . . .	1	-	1	-	-	-	-	-	-	-	-	-	-	-
<i>Non-Veneral Diseases of Genito-Urinary System and Annexa.</i>														
Nephritis . . .	1	-	1	1	-	1	-	-	-	-	-	-	-	-
Other diseases of kidneys and annexa . . .	2	-	2	-	1	1	-	-	-	-	-	-	-	-
<i>Diseases of the Skin and of the Cellular Tissue.</i>														
Gangrene . . .	1	-	1	1	-	1	-	-	-	-	-	-	-	-
Other diseases of skin and annexa . . .	1	-	1	-	-	-	-	-	-	-	-	-	-	-
Total . . .	38	21	59	9	8	17	6	2	8	3	-	3	1	1

TABLE 16. *Causes of Death of Patients Classified with Reference to Principal Psychoses—Concluded.*

CAUSES OF DEATH.	Dementia præcox.			Paranoia or paranoid conditions.			Epileptic psychoses.			Psycho-neuroses and neuroses.			With psychopathic personality.			With mental deficiency.			All other psychoses. <sup>1</sup>		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
<i>Epidemic, Endemic and Infectious Diseases.</i>																					
Tuberculosis of the respiratory system . . . . .	1	—	1	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	1	—	1
Purulent infection, septicæmia . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
<i>General Diseases Not Included in Class I.</i>																					
Cancer and other malignant tumors . . . . .	—	1	1	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	1	—	1
Other general diseases . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1
<i>Diseases of the Nervous System.</i>																					
Meningitis (non-epidemic) . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cerebral hemorrhage, apoplexy . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
General paralysis of the insane . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other diseases of the nervous system . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
<i>Diseases of the Circulatory System.</i>																					
Endocarditis and myocarditis . . . . .	2	3	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Arteriosclerosis . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other diseases of the arteries . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other diseases of the circulatory system . . . . .	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—
<i>Diseases of the Respiratory System.</i>																					
Lobar pneumonia . . . . .	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other diseases of the respiratory system (tuberculosis excepted) . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>Diseases of the Digestive System.</i>																					
Diarrhea and enteritis . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4	—	4
Other diseases of digestive system (cancer and tuberculosis excepted) . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1
<i>Non-Veneral Diseases of Genito-Urinary System and Anæmia.</i>																					
Nephritis . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other diseases of kidneys and annexa . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
<i>Diseases of the Skin and of the Cellular Tissue.</i>																					
Gangrene . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other diseases of skin and annexa . . . . .	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total . . . . .	6	6	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	12	2	14

<sup>1</sup> Includes group 22 "without psychoses."



TABLE 18. *Total Duration of Hospital Life of Patients Dying in Hospital Classified According to Principal Psychoses.*

PSYCHOSES.	Total.		Less than 1 month.		1-3 months.		4-7 months.		8-12 months.		1-2 years.		3-4 years.	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
1. Traumatic . . . . .	9	8	-	17	-	3	-	3	-	-	-	-	-	-
2. Senile . . . . .	6	2	-	8	-	2	-	1	-	-	-	-	-	-
3. With cerebral arteriosclerosis . . . . .	-	2	-	2	-	1	-	1	-	-	-	-	-	-
4. General paralysis . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5. With cerebral syphilis . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6. With Huntington's chorea . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases . . . . .	2	-	1	2	-	1	-	-	-	-	-	-	-	-
9. Alcoholic . . . . .	3	-	-	3	-	-	-	1	-	-	-	-	-	-
10. Due to drugs and other exogenous toxins . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases . . . . .	1	-	-	1	-	1	-	-	-	-	-	-	-	-
13. Manic-depressive . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14. Involution melancholia . . . . .	1	-	-	1	-	-	-	-	-	-	-	-	-	-
15. Dementia precox . . . . .	6	6	-	12	-	-	-	-	-	-	-	-	-	-
16. Paranoia and paranoid conditions . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17. Epileptic psychoses . . . . .	1	-	-	1	-	-	-	-	-	-	-	-	-	-
18. Psychoneuroses and neuroses . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19. With psychopathic personality . . . . .	-	1	-	1	-	-	-	-	-	-	-	-	-	-
20. With mental deficiency . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21. Undiagnosed psychoses . . . . .	8	1	3	9	3	4	1	1	-	-	-	-	-	-
22. Without psychosis . . . . .	1	1	-	2	-	-	-	-	-	-	-	-	-	-
Total . . . . .	38	21	4	59	4	11	6	1	2	4	1	5	4	7

TABLE 18. *Total Duration of Hospital Life of Patients Dying in Hospital Classified According to Principal Psychoses — Concluded.*

PSYCHOSES.	5-6 years.		7-8 years.		9-10 years.		11-12 years.		13-14 years.		15-19 years.		20 years and over.	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
1. Traumatic . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2. Senile . . . . .	-	1	1	-	-	2	-	-	-	-	-	-	-	-
3. With cerebral arteriosclerosis . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4. General paralysis . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5. With cerebral syphilis . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6. With Huntington's chorea . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases . . . . .	-	-	-	-	-	-	-	-	-	-	2	2	-	-
9. Alcoholic . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10. Due to drugs and other exogenous toxins . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13. Manic-depressive . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14. Involution melancholia . . . . .	-	-	-	-	1	4	5	-	-	-	-	-	1	1
15. Dementia precox . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16. Paranoia and paranoid conditions . . . . .	-	-	1	-	1	-	-	-	-	-	-	-	-	-
17. Epileptic psychoses . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18. Psychoneuroses and neuroses . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19. With psychopathic personality . . . . .	-	1	-	-	-	-	-	-	-	-	-	-	-	-
20. With mental deficiency . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21. Undiagnosed psychoses . . . . .	-	-	-	-	-	-	-	-	-	-	1	-	-	-
22. Without psychosis . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total . . . . .	-	2	2	2	1	6	7	-	-	-	3	-	3	1







**The Commonwealth of Massachusetts**

**ANNUAL REPORT**

OF

**THE TRUSTEES**

OF THE

**FOXBOROUGH STATE HOSPITAL**

FOR THE

**YEAR ENDING NOVEMBER 30, 1929**

**DEPARTMENT OF MENTAL DISEASES**



# FOXBOROUGH STATE HOSPITAL

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DR. WILLIAM C. GAEBLER, *Assistant Superintendent*.  
DR. CORNELIA B. J. SCHORER, *Senior Physician*.  
DR. DAVID ROTHSCHILD, *Senior Physician-Pathologist*.  
DR. HYMAN J. WEISMAN, *Assistant Physician*.  
DR. ARTHUR G. WEBSTER, *Dentist*.  
MR. CHESTER A. HARPER, *Acting Steward*.  
MISS HARRIET S. BAYLEY, *Treasurer*.

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MR. JOHN H. NAYLOR, *Chief Engineer*.  
MR. CHARLES H. THURSTON, *Head Farmer*.  
MR. ROMEO ROSS, *Maintenance Foreman*.  
MISS ELIZABETH L. MOSELEY, *Head Psychiatric Social Worker*.  
MISS MILDRED J. SHANNON, *Principal Clerk and Stenographer*.  
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MR. HENRY A. TURNER, *Head Industrial Therapist*.  
MISS CATHERINE MULLANE, *Head Institutional Housekeeper*.  
MISS MARY WELSH, *Dietitian*.  
MRS. JENNIE A. O'BRIEN, *Chief Female Supervisor*.  
MR. ALBERT D. KELLY, *Chief Male Supervisor*.

## TRUSTEES' REPORT

*To His Excellency the Governor and the Honorable Council:*

In presenting this, our annual review, for the fiscal year ending November 30, 1929, we have no ill report to bring. No serious ill fortune has beset us as an institution. On the other hand, the work has been orderly, well-sustained and we believe in a measure progressive. Our present superintendent, Dr. Roderick B. Dexter, after a full year has shown himself a careful, painstaking and efficient administrator. As Trustees, he commands our full confidence and support.

In February Bennet B. Bristol of Foxborough was chosen a Trustee to succeed Leroy W. Stott who died May 14, 1928.

On June 8, 1929, our Board of Trustees met with a signal loss in the death of Charles P. Holland of Brockton. Mr. Holland was possessed of a pure soul and by nature and training he was unusually well qualified for the office of a Trustee in which capacity he served with signal and devoted efficiency. At a later date Horace A. Keith of Brockton was chosen a Trustee to succeed him.

We view with painful regret the death on November 22, 1929 of Mr. Howard F. Irish. Mr. Irish has served in the capacity of steward with marked efficiency since November 24, 1914. He was a man of unusual aptitude for the work he had in hand, and of a most engaging and lovable character.

During the year Wards, A, G and S have been thoroughly renovated and put into use, very materially adding much needed room for patients; and the remodeling of wards C and D under special appropriation is now in favorable progress. For the further development of the Hersey Farm which is at a distance remote from the Main Hospital there is urgent need of a small dormitory. The necessity of transporting both employees and working patients, both night and morning, is an uneconomical process and should be remedied at an early date. A small and suitable dormitory at the Farm would do away with this necessity. We recommend it.

Your trustees have given diligent and thoughtful attention to the care of the

institution and believe that the results have commended themselves to those who know; for we are happy to report during the year encouraging visits to the Hospital have been made by the Committee on Public Institutions, the Joint Ways and Means Committee and the Governor's Council. We hope the results commend themselves to your honorable approval.

Respectfully submitted,

CHARLES A. LITTLEFIELD, *Chairman*

BENNET B. BRISTOL, *Secretary*

WILLIAM H. BANNON,

THOMAS J. SCANLAN

CLAIRE H. GURNEY,

MINNA R. MULLIGAN,

HORACE A. KEITH.

## SUPERINTENDENT'S REPORT

*To the Trustees of the Foxborough State Hospital:*

The thirty-eighth annual report of the Superintendent of the Foxborough State Hospital for the fiscal year ending November 30, 1929 and for the statistical year ending September 30, 1929, is respectfully submitted:

### PATIENT POPULATION

The quota of patients for the year as established by the Department of Mental Diseases was 970. On October 1, 1928, there were males 459, females 498, total 957. On September 30, 1929, there were males 474, females 516, total 990.

Most of the new admissions consisted of acute cases sent directly from the nearby towns. Because of reconstruction going on one or more of our wards for women patients were closed during the year. This fact made it impossible to receive the usual number of new admissions from Boston and accounts for a lower admission rate than that of the previous year. Many cases were placed on trial visit and owing largely to a careful supervision in the home by the Social Service Department the majority of them were able to remain in the community. At the close of the year there were 32 ex-service men in the hospital. The statistical tables found elsewhere in this report give a complete record of the movement of population.

Owing to the large number of beds provided for male patients it has been possible to use Ward S for female patients temporarily to meet the need of additional space for women while Building C and D is being reconstructed. Ward S was completed and occupied on February 14, 1929. Reconstruction of Ward G was completed and the ward reoccupied on February 25, 1929. Ward A was then closed and renovated. It was reopened on July 22, 1929, making possible the closing of Wards C and D the remodelling of which is now being done under a special appropriation granted for that purpose.

### MEDICAL SERVICE

Changes in Personnel: Dr. William A. Malamud resigned July 31, 1929, to accept a position as Assistant Professor of Psychiatry in Iowa State University. During the several years he was a member of the Staff of this Hospital he had charge of the laboratories, as Pathologist, and served as a clinical director. Valuable research was carried on under his direction and many papers were published based upon studies carried on at the hospital. Dr. Konstantin Lowenberg who had assisted in the work of the laboratories for a period of two years resigned in February to return to Europe. Dr. Raymond A. Johnson was appointed Assistant Physician July 1, 1929. Dr. Johnson received the degree of A. B. from Harvard University and a Medical Degree from Yale University Medical School. Just prior to his appointment here he served an internship in the New Haven Hospital. On October 14, 1929, Dr. William C. Gaebler was appointed Assistant Superintendent. Dr. Gaebler received his preliminary education in the University of the State of New York and his Medical Degree from the New York Homeopathic Medical School. After a general hospital internship in the Metropolitan Hospital, New York City he joined the Staff of the Middletown State Hospital, Middletown, New York. In 1922 he became an Assistant Physician on the Staff of the Westborough State Hospital. He was made a Senior Physician in October, 1924, which position he held until transferred to his present position at the Foxborough State Hospital. On December 1, 1929, Dr. Hyman J. Weisman joined our staff as an Assistant Physician. Dr. Weisman obtained the degree of A. B. from Harvard



University and is a graduate of the Tufts University Medical School. He served a general hospital internship in the Cambridge Hospital.

Staff meetings have been held daily. All newly admitted cases have been presented for diagnosis and all cases leaving the hospital on trial visit or discharge have been likewise examined.

The necessary equipment for the new operating suite has been obtained and at the close of the year the suite is in readiness for major surgery to be done there.

#### EMPLOYEES

On October 1, 1928, there were 199 persons in the employ of the hospital. During the year the daily average was 200. The total number appointed was 116, and the total number resigned and discharged was 113.

#### GENERAL HEALTH OF THE HOSPITAL

During the year there seemed to be somewhat less than the average amount of sickness. In January, there were a number of cases of influenza but these were mild in character. A few sporadic cases of infectious disease arose but there was no spread of infection.

#### X-RAY AND PHYSIOTHERAPY

For several months at the beginning of the year it was found impossible to secure the services of a technician for the department, following the resignation of the former technician to take post-graduate work. This resulted in a smaller number of cases receiving treatment than during the preceding year. In May, 1929, Miss Mary V. Villone was appointed X-ray Technician and Physio Therapist. Since that time the usual amount of work has been done. A number of changes have been made in X-ray apparatus and additional equipment secured which now makes possible all forms of radiography. 514 skiagraphs have been taken on a total of 326 patients.

The treatments in physiotherapy were given as follows: Diathermy, 185; baking, 288; massage, 230; deep therapy, 134; ultra-violet, 312; total treatments, 1,149.

#### HYDROTHERAPY

Early in the year it became possible to open for use the new Tonic Bath Suite. Dr. Rebekah Wright, the Hydrotherapist for the Department of Mental Diseases, conducted a course in hydrotherapy for a period of three months giving special instruction to members of the Medical Staff and training to the hydrotherapists. Since that time the suite has been in daily use, one half day each for male and female patients under the direction of the hydrotherapists. Much benefit was derived by patients it being possible to administer treatment to many cases not suitable to other forms of therapy. Briefly summarized the treatments were as follows:

	Males	Females
Number of patients given wet sheet packs . . . . .	67	46
Number of packs administered . . . . .	170	147
Number of hours of treatment given in wet sheet packs . . . . .	508	435
Number of patients given continuous bath treatment . . . . .	212	250
Number of bath treatments given . . . . .	1,974	2,098
Number of hours of continuous bath treatments given . . . . .	15,492	14,341
Number of tonic bath treatments . . . . .	6,377	1,389

#### OCCUPATIONAL THERAPY

Since the appointment of Miss Constance M. Garrod to the position of Head Occupational Therapist an effort has been made to extend this valuable therapeutic measure to as many suitable patients as possible. Additional space has been provided on the ground floor of the M and N Building. Classes for both men and women have been carried on throughout the day not only in the special rooms but also on the wards. The installation of additional equipment has greatly facilitated the treating of larger groups. In this department the outstanding feature is the marked change for the better in the mental condition of the patients, the articles produced being considered of only secondary importance. At the close of the year there were 102 patients under treatment and according to present plans this number should be almost doubled within a few months. Two students from

the Boston School of Occupational Therapy were at the hospital as students during the summer completing the practical work of their course.

The work done by the classes is shown by the following list: — 56 woven rugs, 228 runners, 2 crayon curtains and valences, 6 curtain valences, 3 waste paper baskets, 246 face cloths, 15 braided rugs, 32 bed slippers, 2 pillow tops, 8 prs. curtain tie backs, 1 child's sweater, 52 yds. crochet lace, 9 prs. men's suspenders, 78 yds. spool knitting, 7 yds. tatting, 4 reed flower baskets, 4,835 sponges, 93 prs. men's hose, 268 doz. dish towels, 1 table scraped and painted, 6 chairs scraped and painted, 3 benches scraped and painted, 1 cigarette stand (wooden), 377 hand towels, 150 bath towels, 6 lamp shades, 2 wall hangings, 2 prs. book ends, 2 door stops, 2 toy dogs.

Field work: — 16,144 lbs. beans picked, 2,033 lbs. peas, 1,993 lbs. strawberries, 3,574 lbs. corn prepared for cannery, 12,040 lbs. beans prepared for cannery, 14,411 lbs. tomatoes prepared for cannery.

#### WOMEN'S INDUSTRIAL

Additional power machines placed in the sewing room have made possible the production of a larger amount of work with much less expenditure of effort. Much of the mending is now done by patients employed on the wards. This has also resulted in increasing the output of manufactured articles from the sewing room. Renovation of the work rooms including a resurfacing of the floors added greatly to the pleasing appearance of the suite.

*Made:* 340½ dresses, 1 doz. dusters, 2 extractor covers, 2 doz. foot straps, 9 hydro covers, 8 hydro gowns, 17 hydro hammocks, 24 bag covers, 168 garters, 18 aprons, 2 doz. glove cases, 35 doz. handkerchiefs, 52 kitchen holders, 3 doz. kitchen shirts, 1 laboratory sheets, 233 laundry bags, 53 laundry board covers, 2 mattress covers, 61 mattress ticks, 92 napkins, 364¾ doz. night dresses, 23 coffee bags, 2 doz. pack sheets, 14 painters drop cloths, 3 pillows, 164¾ pillow cases, 8 doz. pillow ticks, 4 rubber pillow ticks, 950 doz. pads, 177 prs. sash curtains, 24 screen covers, 38 doz. sheets, 27 abdominal binders, 5½ doz. aprons, 5½ doz. bags, 11 bath robes, 30 blankets, 154 doz. bleached sheets, 113 prs. bloomers, 2 canvas drop cloths, 2 chair pads, 4½ doz. white coats, 201 combinations, 11 couch sets, 18½ doz. covers, 18 cloth covers, 33½ doz. curtains, 6 dairy caps, 2 dish machine curtains, 60 prs. drape curtains, 28¾ doz. shirts, 1 doz. sheets (laparotomy), 314½ doz. (unbleached) sheets, 70½ doz. short night dresses, 11½ doz. slips, 2 stretcher table pads, 6 surgeon caps, 12 surgeon gowns, 4 surgical sheets, 7 doz. surgical squares, 121 doz. table cloths, 21 tie backs, 571 doz. towels. 41 valences, 1 wagon boot, 74 window shades.

*Repaired:* 80 union suits, 153 towels, 640 underdrawers, 14 pajamas, 5 overcoats, 227 overalls, 881 prs. pants, 720 undershirts, 43 vests, 549 table cloths, 48 sweaters, 4,585 prs. stockings, 36 pillow ticks, 7 rugs, 1,557 spreads, 692 slips, 2,357 sheets, 2,836 sheets, 226 scarfs, 206 petticoats, 671 pillow cases, 6,284 night dresses, 18 corset covers, 1,631 combinations, 1,028 coats, 81 bibs, 234 mattresses, 83 laundry board covers, 268 hydro covers, 130 hydro hammocks, 402 laundry bags, 3,639 dresses, 4 cushion covers, 22 couch covers, 2 corsets, 8 extractors, 43 corselettes, 46 curtains stitched, 6 belts, 432 prs. bloomers, 804 blankets, 309 bathrobes, 951 aprons, 77 pillow ticks, 1 barber cloth, 4 bath mats, 3 screen covers.

#### MEN'S INDUSTRIAL

The work in the shops has continued to progress under the direction of Mr. Henry A. Turner. The amount of canning was somewhat less than was expected owing to an unexpected shortage in certain of the crops. Articles were manufactured and repairs done as follows:

*Made:* 1,702 prs. socks knitted, 1,258 yds. towellings, 10 hammer handles, 23 window shades, 269 mattresses, 106 pillows, 58 scrub brushes, 53 floor brushes, 51 curtains, 2 book cases, 4 picture frames, 360 brooms, 1 cabinet.

*Repaired:* 19 tables, 1 settee, 425 prs. shoes soled, 473 prs. shoes heeled, 257 prs. shoes patched, 755 chairs, 25 handles, 157 shades, 18 clocks, 2 hammers, 14 locks, 1 harness set, 94 chairs scraped and refinished, 2 re-upholstered chairs, 1 desk, 2 bureaus, 1 desk chair, 6 beds, 2 plants stands, 3 benches.

#### PATHOLOGICAL AND RESEARCH

This work was very ably carried on by Dr. William A. Malamud until his resig-



nation July thirty-first. Since that time Dr. David Rothschild has continued this most important work. He is now conducting research into several problems dealing with neuropsychiatry with a view to publishing a number of papers during the coming year. The following is an outline of the work done:

Twenty-eight post mortem examinations were performed during the course of the year. Three of these were made on outside cases for physicians in nearby communities.

The neuropsychiatric diagnoses of these cases were as follows: Senile psychoses, 7; psychosis with cerebral arteriosclerosis, 4; dementia praecox, 6; general paresis, 2; psychoses with psychopathic personality, 2; mental deficiency, 1; psychoses with somatic disease, 1; psychoses with organic brain disease, 1; alcoholic psychoses, 1.

The primary cause of death was determined as follows: Senile psychosis, 3; generalized arteriosclerosis, 2; myocarditis, 2; pyelonephritis, 2; carcinoma, 2; bone sarcoma, 1; cerebral arteriosclerosis, 1; cerebral hemorrhage, 1; general paresis, 1; lobar pneumonia, 1; influenzal pneumonia, 1; influenzal bronchitis, 1; brain tumor, 1; acute alcoholic intoxication, 1; pulmonary tuberculosis, 1; acute pericarditis with coronary sclerosis, 1; diabetes mellitus, 1; cellulitis with septicemia, 1; chronic glomerulonephritis, 1.

In addition to routine examinations on these cases several have been subjected to an intensive pathological investigation. The resulting material has formed the basis for several communications which have been published during the current year. At the present time a number of interesting problems are being closely followed up. Among these may be mentioned the study of the disturbances in cortical cell architecture in Alzheimer's disease, and an intensive investigation of a case exhibiting histologically obscure vascular lesions in conjunction with a peculiar clinical course and unusual neurological findings.

#### Chemical and Serological Departments

As in previous years determinations of the hemoglobin, differential blood counts and urinalyses were performed on all new admissions. In addition, a white blood count has been recently made a routine procedure on the new patients. Red counts have been done wherever indicated. One hundred and seventy blood chemical determinations were made as follows:—Quantative sugar in 99 cases, calcium in 44, non-protein nitrogen in 24, total chlorides in 3 cases.

Numerous bacteriological examinations of sputum and smears and many throat cultures were performed at the request of the physician. Several autogenous vaccines were prepared and administered. In all cases of suspected septicemia blood cultures were made. Animals were inoculated with material from infected foci whenever tuberculosis came in question. Dark field examinations for spirochaetes were performed in suspicious cases, in two of which positive findings were obtained. Forty-seven basal metabolisms were done.

During the course of the year 192 spinal fluids were examined. Beside the routine examinations for globulin, albumin, number of cells and colloidal gold curves, the bromide permeability test was done on all specimens. In this manner an increasing amount of material on the permeability problem is being accumulated. At present an article on "The Blood Cerebrospinal Fluid Barrier in Schizophrenia" is being prepared, in conjunction with Dr. Malamud, for presentation at the next meeting of the Association for Research in Nervous and Mental Diseases. It will be published in the *Archives of Neurology and Psychiatry*. In conjunction with the permeability test, a further research program is being mapped out along the line of a more intensive comparative investigation of the chemical constituents of the blood and spinal fluid.

The laboratory has now taken over direct supervision of the anti-syphilitic treatment clinics. At present intramuscular bismuth is being given a thorough trial, but as yet the number of patients treated is not sufficient to form any definite opinion on its efficacy. Several encouraging results have been obtained and it is intended to accumulate enough cases to form the basis of a paper on the treatment of neurosyphilis with this medication.

As in the past, physicians from the nearby communities, have made use of our special facilities for examinations, such as blood counts, throat cultures, urinalyses,

etc., in certain cases where highly specialized technique has not been otherwise available.

During the current year the following papers were published:

"The Application of Psychoanalytic Principles in Interpreting the Psychoses" by Wm. Malamud. *Psychoanalytic Review*, Vol. XVI, No. 1, January, 1929.

"Psychoanalytic Mechanisms in Clinical Psychiatry" by Wm. Malamud. *American Journal of Psychiatry*, Vol. VIII, No. 5, March, 1929.

"The Role Played by the Capillaries in the Pathogenesis of General Paresis" by Wm. Malamud and K. Lowenberg. *Journal of Nervous and Mental Diseases*, Vol. 69, No. 2, February, 1929.

"Alzheimer's Disease, a Contribution of its Etiology and Classification" by Wm. Malamud and K. Lowenberg. *Archives of Neurology and Psychiatry*, Vol. 21, April, 1929.

"Über gefassbedingte Herde in Ammonshorn" by K. Lowenberg, *Journal für Psychologie und Neurologie*, 39, 1-7-1929.

"Über eine elektive Erkrankung der Pallidumgefasse" by K. Lowenberg. *Journal für Psychologie und Neurologie*, 39, 8-13-1929.

#### NEUROPSYCHIATRIC CLINIC

The Out-Patient Neuropsychiatric Clinic in Brockton has continued every Wednesday afternoon throughout the year.

The principal activities of the Clinic were focused on the diagnosis of the various neuropsychiatric conditions met with and their treatment. A large proportion of the patients was referred to the Clinic by physicians and agencies from Brockton and the surrounding communities. In those cases written reports were made giving our impression as to the condition, and advice with regard to their further management. Wherever it was felt that the patient would be benefited by further psychotherapeutic measures regular attendance at the Clinic was advised.

A total of 420 visits to the Clinic were made during the year. Of this number 143 were first visits.

Of these 34 represented different types of psychoneuroses. Among this group conversion hysteria, anxiety neuroses, and neurasthenic states were the most frequent. Repeated visits were made by these patients and some form of psychotherapy was undertaken in all of them.

There were 28 cases of mental deficiency. Depending upon the severity of the defect, special class or institutional care was recommended. In many of the milder cases it was possible to secure more skilful management in the home, with a consequent improvement in the adjustment of these patients to their environment.

Of the new cases 24 were regarded as behavior problems. The problems presented were diverse, consisting mainly of conduct disorders at home or in school, sexual difficulties, waywardness and various asocial tendencies. Here again regular attendance at the Clinic was secured and in a large proportion of the patients definite improvement resulted. In this connection an important feature of the Clinic work should be mentioned, namely, the talks along mental hygiene lines with the parents and workers interested in the individual cases.

There were 17 cases of definite psychoses referred to the Clinic during the year. Some of these were follow-up cases on visit from the Foxborough State Hospital. In most of the others observation or commitment to a State hospital was recommended.

Cases of miscellaneous neurological conditions observed at the Clinic totaled 33. Common conditions, such as post-traumatic changes in the brain, cerebral arteriosclerosis, epilepsy, tabes, etc., as well as rarer diseases, such as pseudo-hypertrophic muscular dystrophy and pituitary disorders, make up most of the material in this group.

In addition to the patients seen in the Clinic over 50 cases were seen in consultation on the wards of the Brockton Hospital. These consisted of the varied neurological and psychiatric conditions likely to appear in a general hospital. After their discharge from the hospital many of these patients were followed up in the Clinic and suitable treatment was prescribed.

In accordance with the previous custom, a series of three lectures on Mental Hygiene and Psychotherapy was given to the nurses at the Brockton Hospital.



During the course of the year the Psychological Department of the Foxborough State Hospital has given valuable service. There were 62 psychometric examinations performed. The Social Service Department has been of great assistance in obtaining the histories of the patients and investigating their home surroundings in many instances and aiding in their better adjustment. Furthermore, the complete co-operation of the various social agencies in Brockton has been very helpful in the treatment of many of the patients.

We would take this opportunity of expressing our thanks to the Superintendent and members of the Staff of the Brockton Hospital for their co-operation and assistance in conducting the work of the Clinic, and to all who worked with us in our efforts to improve the mental health of our community.

#### SCHOOL CLINIC

The School Clinic was carried on by Dr. Cornelia B. J. Schorer who was assisted by Miss Erma Juhl and Miss Maria A. Ragsdale, Psychometrists. The results obtained are as follows:

Examinations were made in the schools of Bellingham, Canton, Bridgewater, East Bridgewater, Mansfield, Weymouth, Stoughton, Foxborough, Milton, Walpole, Norwood and Norton. Number examined for first time, males, 270; females, 131; total, 401. Re-examined, males, 62; females, 22; total, 84. All cases examined, males, 332; females, 153; total, 485.

#### DENTAL REPORT

The dental work has been carried on during the year by Dr. Arthur K. Webster assisted by Miss Pearl Vincent, dental hygienist. The equipment was removed from a room adjacent to the female wards to a new location on the ground floor of the male treatment building adjacent to a large waiting room which provides much more adequately for the considerable number of patients which it is often necessary to take to the clinic at one time.

Patients were treated as follows: — Number of different patients treated, 847; extractions, 302; fillings, 231; X-rays, 103; cleaned, scaled, examined and charted, 1,134.

#### SOCIAL SERVICE

The work of the department has been conducted by Miss Elizabeth L. Moseley with one assistant and two students. This year is the eleventh of the department and has been marked by very definite progress. The work is summarized as follows:

During the year beginning December 1, 1928, this department has dealt with a total of 735 cases (410 males and 325 females). Of these 542 (331 males and 211 females) were referred to the department for the first time.

Of this total number 356 (178 males and 178 females) were patients under commitment to this hospital. Of these patients 184 (106 males, 78 females) were new admissions to the hospital during the year and automatically referred to this department for a social history and investigation. There were during the year 116 patients on prolonged visit from the hospital under the supervision of this department. Of these 50 were men and 66 women. Practically all of them have been kept in touch with either by calls or letters and in many cases intensive social treatment has been given. Some of the social problems involved have been financial and employment difficulties, marital difficulties and friction with other relatives, personality problems and the problem of securing proper recreation. In some cases we have secured medical attention and also financial relief for the patients or their families. We always try to be especially interested in the children of our patients and in a number of cases have had them examined by one of our own psychiatrists, either at the hospital or at our Brockton Clinic.

The remaining 379 cases dealt with were those in the community, not under commitment to the hospital. It is interesting to note that this figure is larger than that of the number of patients dealt with who were actually under commitment to the hospital. This shows the trend toward community work during the past year, as this is the first year that the cases handled have been divided in this way. In spite of this fact, however, it is still true that the bulk of our time is actually spent with the hospital patients, with whom the more intensive work is still being done. Of these community cases 192 were those of retarded school children whose social

histories we secured in connection with the school clinic work, covering 6 towns in the district, namely, — Bridgewater, Canton, Foxborough, Mansfield, Norwood and Stoughton. In order to secure these histories the home of each child is visited at least once, as well as the school teacher.

The other large group, 162, were patients reporting at our Brockton Neuropsychiatric Clinic, where 266 interviews were held, 94 with patients and 172 with persons accompanying them. These interested individuals are often local social workers and our contacts with them have been most pleasant and interesting. Many patients have been brought to the clinic by district and school nurses. Other agencies frequently referring cases are the Brockton Family Welfare Society, The Catholic Charities Centre, The Brockton Policewoman and the Society for the Prevention of Cruelty to Children.

Of the other 25 cases 12 have been those of persons awaiting trial, who, in accordance with the Briggs' law, were being examined for their mental condition, and we were asked to make a social investigation. The remaining 13 miscellaneous cases have been those referred by other social agencies or state hospitals for investigation or supervisory work. In such cases we are always glad to cooperate in any way that we can, sending reports back to these agencies of conditions as we find them in these homes.

The total number of interviews held during the year is as follows:

Interviews with patients' relatives or friends at hospital, 692.

Interviews with patients on the ward, 336.

Visits to patients outside the hospital, 125.

Visits to relatives or friends of patients, 302.

Visits to social agencies, 225.

Visits to other interested individuals (employers, neighbors, physicians, etc.), 718.

Visits to homes in school clinic work, 192.

Interviews at Neuropsychiatric Clinic, 266.

A total of, 2,856.

Again we have to report changes in the staff of this department during the year. Miss Esther F. Glickman, left on October 12, 1929, to go to the U. S. Veterans' Bureau Hospital at Muskogee, Oklahoma, where she has taken charge of organizing the Social Service Department. Miss Rebecca Russakoff, who has been in training in this department since last June, is being recommended to fill this vacancy. She is a graduate of Boston University and in her college course took special work in sociology.

Two students, the Misses Louise Thompson and Ruth Johnson, completed their course of training in May, 1929, and have secured regular positions in social work.

#### ENTERTAINMENT

Moving pictures were shown weekly, a donation of a friend of the hospital. Residents of Foxborough and the neighboring towns furnished plays and musicales. Magazines were contributed by quite a number. To all who have helped furnish our patients with entertainment we would express our appreciation of their thoughtfulness. We hope to secure enough books during the coming year to start a hospital library. A club room was recently opened for the employees in order that they might have a suitable place for recreational activities.

#### FARM AND GROUNDS

A plentiful supply of fruit and vegetables from the garden, broilers, fowl and eggs from the hennery and a full amount of pork from the piggery enabled the Farm to contribute much to the food supply of the institution and helped to offset a decrease in returns from other activities of the Farm. The potato crop suffered from the attacks of insects and unfavorable weather. Much of the corn was unfit for use because infested by the cornborer which is prevalent in this section. There was a decrease in milk production. Considerable time and energy were consumed in clearing and grading Hospital property making a good foundation for future development. Special attention to fruit trees resulted in a fairly large crop of good grade apples. Many of the large ornamental trees and most of the shrubbery were pruned during the fall.

The following is a detailed analysis:

Milk, 295,842.1 lbs.; eggs, 5,400 5-12 doz.

Vegetables: (*The figures relate to pounds*). Asparagus, 1,549; beans, shelled, 1,598; beans, string, 18,817; beets, 12,681; beet greens, 381; cabbage, 42,503; canteloupes, 6,024; carrots, 15,075; cauliflower, 470; celery, 3,134; chard, 5,401; corn, sweet, 17,435½; cucumbers, 8,872; lettuce, 2,958; onions, 10,817; parsnips, 8,180; peas, 1,933; peppers, 1,483; pumpkins, 270; rhubarb, 502; scallions, 839; spinach, 2,157; squash, summer, 5,312; squash, winter, 21,448; tomatoes, 41,603; turnips, 140,503; potatoes, 66,646; field corn, 11,540.

Fruit: Apples, first, 9,308 lbs.; apples, seconds, 7,456 lbs.; pears, 533 lbs.; quinces, 13 lbs.; strawberries, 1,993¾ lbs.

Meat: Beef, 4,876 lbs; pork, 45,580 lbs.; chicken, 864½ lbs.; fowl, 864½ lbs.; broilers, 1,231 lbs.

Hay, 21,875 lbs.; ensilage, 140,000 lbs.

#### REPAIR DEPARTMENT

During the year a great deal has been accomplished by this department, adding much to the general efficiency in the operation of the hospital and to its appearance.

#### CONCLUSION

The successful operation of the institution depends upon the united efforts of all the departments and I would take this opportunity of expressing my appreciation of the valued assistance rendered by the personnel of the hospital.

Respectfully,

RODERICK B. DEXTER  
*Superintendent.*

#### VALUATION

November 30, 1929

##### REAL ESTATE

Land, 346 acres . . . . .	\$35,400.00
Buildings . . . . .	1,642,276.28
	<hr/>
	\$1,677,676.28

##### PERSONAL PROPERTY

Travel, transportation and office expenses . . . . .	\$211.61
Food . . . . .	9,259.98
Clothing and materials . . . . .	15,086.50
Furnishings and household supplies . . . . .	157,035.28
Medical and general care . . . . .	27,659.88
Heat, light and power . . . . .	12,375.19
Farm . . . . .	23,857.21
Garage, stables and grounds . . . . .	9,339.39
Repairs . . . . .	14,502.79
	<hr/>
	\$269,327.83

##### SUMMARY

Real estate . . . . .	\$1,677,676.28
Personal property . . . . .	269,327.83
	<hr/>
	\$1,947,004.11

#### FINANCIAL REPORT

*To the Department of Mental Diseases:*

I respectfully submit the following report of the finances of this institution for the fiscal year ending November 30, 1929.

##### CASH ACCOUNT

##### Receipts

<i>Income</i>	
Board of Patients . . . . .	\$54,277.89
Personal Services:	
Reimbursement from Board of Retirement . . . . .	132.67
Sales:	
Food . . . . .	\$1,890.78
Farm:	
Cows and Calves . . . . .	207.50
Pigs and hogs . . . . .	12.00
Hides . . . . .	40.78
Sundries, barrels. . . . .	15.45
	<hr/>
Total sales . . . . .	2,166.51



Miscellaneous:		
Interest on bank balances		\$354.98
Rent		478.22
Sundries, N. E. Tel & Tel. Co.		31.03
		<u>864.23</u>
X-ray		78.00
Total Income		\$57,519.30
	MAINTENANCE	
Balance from previous year, brought forward		\$6,958.42
Appropriations, current year		408,000.00
Total		\$414,958.42
Expenses (as analyzed below)		397,345.97
Balance reverting to Treasury of Commonwealth		\$17,612.45
	Analysis of Expenses	
Personal Services		\$192,315.30
Religious instruction		1,526.00
Travel, transportation and office expenses		5,380.17
Food		67,732.59
Clothing and materials		13,577.97
Furnishings and household supplies		20,808.27
Medical and general care		16,837.22
Heat, light and power		35,075.99
Farm		22,168.99
Garage, stable and grounds		5,352.56
Repairs ordinary		8,605.88
Repairs and renewals		7,965.03
Total expenses for maintenance		\$397,345.97
	SPECIAL APPROPRIATIONS	
Balance December 1, 1928		\$34,797.83
Appropriations for current year		119,000.00
Total		\$153,797.83
Expended during the year (see statement below)		\$12,597.97
Reverting to Treasury of Commonwealth		23.28
		<u>12,621.25</u>
Balance November 30, 1929, carried to next year		\$141,176.58

OBJECT	Act or Resolve	Whole Amount	Expended during Fiscal Year	Total expended to Date	Balance at end of Year
Addition to Ward Building No. 12	1926-1927	\$200,000.00	\$1,505.12	\$199,987.69	\$12.31*
Food Trucks	1927	2,000.00	—	1,999.20	.80*
Electrical connections	1927	3,000.00	126.11	2,989.83	10.17*
Renovation of Wards C and D	1927-1928	25,000.00	3,592.43	11,220.42	13,779.58
Alteration to boiler house	1928	18,000.00	6,596.23	8,824.92	9,175.08
Employees building	1929	110,000.00	—	—	110,000.00
Salvage yard	1929	3,000.00	—	—	3,000.00
Officer's cottage	1929	6,000.00	778.08	778.08	5,221.92
		<u>\$367,000.00</u>	<u>\$12,597.97</u>	<u>\$225,800.14</u>	<u>\$141,199.86</u>

Balance reverting to Treasury of the Commonwealth during year (mark item with *)	\$23.28
Balance carried to next year	\$141,176.58
Total as above	<u>\$141,199.86</u>

## PER CAPITA

During the year the average number of inmates has been 970.793  
 Total cost for maintenance, \$397,345.97.  
 Equal to a weekly per capita cost of \$7.8711 (52 weeks to year).  
 Receipt from sales, \$2,166.51.  
 Equal to a weekly per capita of \$.0429.  
 All other institution receipts, \$55,352.79.  
 Equal to a weekly per capita of \$1.0970.  
 Net weekly per capita \$6.7317.

Respectfully submitted,

HARRIET S. BAYLEY,

Treasurer.

## STATISTICAL TABLES

AS ADOPTED BY THE AMERICAN PSYCHIATRIC ASSOCIATION.  
 PRESCRIBED BY THE MASSACHUSETTS DEPARTMENT OF MENTAL DISEASES

TABLE 1. *General Information*

Data correct at end of hospital year November 30, 1929

1. Date of opening as a hospital for mental diseases, June 1, 1914.

2. Type of hospital: State

3. Hospital plant:

Value of hospital property:

Real estate, including buildings . . . . .	\$1,677,676.28
Personal property . . . . .	269,327.83

Total . . . . .

Total acreage of hospital property owned 346.	\$1,947,004.11
---	----------------

Total acreage under cultivation during previous year 100.

4. Officers and employees:

	November 30, 1929			Vacancies at End		
	Actually in Service at End of Year			of Year		
	M.	F.	T.	M.	F.	T.
Superintendents . . . . .	1	—	1	—	—	—
Assistant Superintendent . . . . .	1	—	1	—	—	—
Senior Physicians . . . . .	2	1	3	—	—	—
Assistant Physicians . . . . .	1	—	1	1	—	1
Total physicians . . . . .	5	1	6	1	—	1
Stewards . . . . .	—	—	—	1	—	1
Graduate nurses . . . . .	1	9	10	—	1	1
Other nurses and attendants . . . . .	52	38	90	1	1	2
Occupational therapists . . . . .	—	3	3	—	—	—
Social workers . . . . .	—	1	1	—	1	1
All other officers and employees . . . . .	46	42	88	1	—	1
Total officers and employees . . . . .	104	94	198	4	3	7

NOTE: — The following items, 5–10 inclusive, are for the year ended September 30, 1929.

5. Census of Patient Population at end of year:

	Actually in Hospital			Absent from Hospital but Still on Books		
	M.	F.	T.	M.	F.	T.
White:						
Insane . . . . .	440	467	907	59	40	99
Epileptics . . . . .	1	—	1	—	—	—
Mental defectives . . . . .	10	22	32	2	1	3
All other cases . . . . .	3	4	7	3	—	3
Total . . . . .	454	493	947	64	41	105
Other Races:						
Insane . . . . .	20	23	43	3	—	3
Total . . . . .	20	23	43	3	—	3
Grand Total . . . . .	474	516	990	67	41	108

	Males	Females	Total
6. Patients under treatment in occupational-therapy classes, including physical training, on date of report . . . . .	27	76	103
7. Other patients employed in general work of hospital on date of report . . . . .	298	258	556
8. Average daily number of all patients actually in hospital during year . . . . .	478.479	519.479	997.958
9. Voluntary patients admitted during year . . . . .	3	9	12
10. Persons given advice or treatment in out-patient clinics during year . . . . .	73	96	169

TABLE 2. *Financial Statement*

See Treasurer's report for data requested under this table.

NOTE:—The following Tables 3–18, inclusive, are for the statistical year ended September 30, 1929.

TABLE 3. *Movement of Patient Population*

	Insane			Voluntary			Temporary Care and Observation			Total on Books		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Patients on books of Institution September 30, 1928	520	549	1,069	4	—	4	2	—	2	526	549	1,075
Admissions during year:												
First admissions	81	58	139	—	1	1	18	3	21	99	62	161
Readmissions	10	17	27	1	—	1	2	3	5	13	20	33
Transfers from other hospitals for mental diseases	3	9	12	—	—	—	—	—	—	3	9	12
Total received during year	94	84	178	1	1	2	20	6	26	115	91	206
Total on books during year	614	633	1,247	5	1	6	22	6	28	641	640	1,281
Discharged from books during year:												
As recovered	1	1	2	—	—	—	9	—	9	10	1	11
As improved	24	39	63	2	—	2	1	1	2	27	40	67
As unimproved	4	5	9	1	—	1	3	1	4	8	6	14
As without psychosis	—	—	—	—	—	—	3	4	7	3	4	7
Transferred to other hospitals for mental diseases	9	10	19	—	—	—	—	—	—	9	10	19
Died during year	40	22	62	—	—	—	3	—	3	43	22	65
Total discharged, transferred and died during year	78	77	155	3	—	3	19	6	25	100	83	183
Insane patients remaining on books of hospital at end of hospital year												
In hospital	470	515	985	2	1	3	2	—	2	474	516	990
On parole or otherwise absent	66	41	107	—	—	—	1	—	1	67	41	108
Total on books September 30, 1929	536	556	1,092	2	1	3	3	—	3	541	557	1,098

TABLE 4. *Nativity of First Admissions and Parents of First Admissions*

NATIVITY	PATIENTS			PARENTS OF MALE PATIENTS			PARENTS OF FEMALE PATIENTS		
	M.	F.	T.	Fathers	Mothers	Both Parents	Fathers	Mothers	Both Parents
United States . . . . .	53	35	88	37	35	35	18	20	15
Africa . . . . .	—	2	2	—	—	—	2	2	2
Canada <sup>1</sup> . . . . .	9	5	14	10	11	9	8	7	6
Denmark . . . . .	—	—	—	—	—	—	—	1	—
England . . . . .	3	3	6	3	2	2	3	3	3
Finland . . . . .	1	—	1	1	1	1	—	—	—
Germany . . . . .	2	—	2	2	2	2	—	—	—
Hungary . . . . .	—	1	1	—	—	—	1	1	1
Ireland . . . . .	3	3	6	10	11	10	11	10	9
Italy . . . . .	5	5	10	5	5	5	6	6	6
Poland . . . . .	2	1	3	2	2	2	1	1	1
Russia . . . . .	1	1	2	2	2	2	2	2	2
Scotland . . . . .	1	1	2	1	1	1	1	1	1
Sweden . . . . .	—	1	1	2	2	2	3	1	1
Other countries . . . . .	—	—	—	2	2	2	—	—	—
Unascertained . . . . .	1	—	1	4	5	4	2	3	2
Total . . . . .	81	58	139	81	81	77	58	58	49

<sup>1</sup>Includes Newfoundland.





TABLE 5. *Citizenship of First Admissions*

	Males	Females	Total
Citizens by birth . . . . .	53	35	88
Citizens by naturalization . . . . .	11	9	20
Aliens . . . . .	11	10	21
Citizenship unascertained . . . . .	6	4	10
Total . . . . .	81	58	139

TABLE 6. *Psychoses of First Admissions*

PSYCHOSES	M.	F.	T.	M.	F.	T.
1. Traumatic psychoses . . . . .	—	1	1	—	1	1
2. Senile psychoses . . . . .	5	6	11	5	6	11
3. Psychoses with cerebral arteriosclerosis . . . . .	11	5	16	11	5	16
4. General paralysis . . . . .	9	—	9	9	—	9
5. Psychoses with cerebral syphilis . . . . .	1	—	1	1	—	1
6. Psychoses with Huntington's chorea . . . . .	—	—	—	—	—	—
7. Psychoses with brain tumor . . . . .	—	—	—	—	—	—
8. Psychoses with other brain or nervous diseases . . . . .	5	1	6	5	1	6
Multiple sclerosis . . . . .	—	1	1	—	1	1
Other diseases . . . . .	5	—	5	5	—	5
9. Alcoholic psychoses, total . . . . .	10	1	11	10	1	11
Korsakow's psychosis . . . . .	3	—	3	3	—	3
Acute hallucinosis . . . . .	2	—	2	2	—	2
Other types acute or chronic . . . . .	5	1	6	5	1	6
10. Psychoses due to drugs and other exogenous toxins . . . . .	—	—	—	—	—	—
11. Psychoses with pellagra . . . . .	—	—	—	—	—	—
12. Psychoses with other somatic diseases, total . . . . .	1	1	2	1	1	2
Delirium with infectious diseases . . . . .	—	1	1	—	1	1
Other diseases or conditions . . . . .	1	—	1	1	—	1
13. Manic-depressive psychoses, total . . . . .	7	12	19	7	12	19
Manic type . . . . .	3	8	11	3	8	11
Depressive type . . . . .	3	3	6	3	3	6
Other types . . . . .	1	1	2	1	1	2
14. Involution melancholia . . . . .	—	4	4	—	4	4
15. Dementia praecox (schizophrenia) . . . . .	25	21	46	25	21	46
16. Paranoia and paranoid conditions . . . . .	2	1	3	2	1	3
17. Epileptic psychoses . . . . .	1	—	1	1	—	1
18. Psychoneuroses and neuroses, total . . . . .	1	2	3	1	2	3
Hysterical type . . . . .	—	1	1	—	1	1
Neurasthenic type . . . . .	1	1	2	1	1	2
19. Psychoses with psychopathic personality . . . . .	2	1	3	2	1	3
20. Psychoses with mental deficiency . . . . .	—	2	2	—	2	2
21. Undiagnosed psychoses . . . . .	1	—	1	1	—	1
22. Without psychosis . . . . .	—	—	—	—	—	—
Total . . . . .	81	58	139	81	58	139

TABLE 7. *Race of First Admissions Classified with Reference to Principal Psychoses*

RACE	Total			Traumatic			Senile			With cerebral arterio-sclerosis			General paralysis			With cerebral syphilis		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	2	2	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Armenian	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
English	24	13	37	—	—	—	4	2	6	5	—	5	—	—	—	1	—	1
Finnish	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
French	6	3	9	—	1	1	—	—	—	—	—	—	2	—	2	—	—	—
German	3	—	3	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—
Hebrew	3	2	5	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—
Irish	11	14	25	—	—	—	1	1	2	—	2	2	1	—	1	—	—	—
Italian <sup>1</sup>	4	6	10	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—
Lithuanian	2	—	2	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—
Magyar	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Scandinavian <sup>2</sup>	2	2	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Scotch	2	2	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Slavonic <sup>3</sup>	2	1	3	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—
Mixed	11	5	16	—	—	—	—	1	1	2	—	2	2	—	2	—	—	—
Race unascertained.	7	7	14	—	—	—	—	1	1	3	3	6	1	—	1	—	—	—
Total	81	58	139	—	1	1	5	6	11	11	5	16	9	—	9	1	—	1

<sup>1</sup>Includes "North" and "South."<sup>2</sup>Norwegians, Danes and Swedes.<sup>3</sup>Includes Bohemian, Bosnian, Croatian, Dalmatian, Herzegovinian, Montenegrin, Moravian, Polish, Russian, Ruthenian, Servian, Slovak, Slovenian.TABLE 7. *Race of First Admissions Classified with Reference to Principal Psychoses — Continued*

RACE	With other brain or nervous diseases			Alcoholic			With other somatic diseases			Manic-depressive			Involution melancholia			Dementia praecox		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	—	—	—	—	—	—	—	—	—	1	—	1	—	1	1	1	1	2
Armenian	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
English	1	—	1	4	1	5	1	1	2	1	2	3	—	—	—	5	4	9
Finnish	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
French	2	—	2	—	—	—	—	—	—	1	—	1	—	—	—	—	2	2
German	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Hebrew	—	—	—	—	—	—	—	—	—	1	2	3	—	—	—	—	—	—
Irish	—	—	—	2	—	2	—	—	—	3	2	5	—	2	2	2	6	8
Italian <sup>1</sup>	1	—	1	1	—	1	—	—	—	—	1	1	—	—	—	2	3	5
Lithuanian	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Magyar	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1
Scandinavian <sup>2</sup>	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	2	1	3
Scotch	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	2	1	3
Slavonic <sup>3</sup>	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	1	—	1
Mixed	—	—	—	1	—	1	—	—	—	3	3	—	—	—	—	5	1	6
Race unascertained.	—	—	—	1	—	1	—	—	—	1	1	—	—	—	—	2	1	3
Total	5	1	6	10	1	11	1	1	2	7	12	19	—	4	4	25	21	46

<sup>1</sup>Includes "North" and "South."<sup>2</sup>Norwegians, Danes, and Swedes.<sup>3</sup>Includes Bohemian, Bosnian, Croatian, Dalmatian, Herzegovinian, Montenegrin, Moravian, Polish, Russian, Ruthenian, Servian, Slovak, Slovenian.

TABLE 7. *Race of First Admissions Classified with Reference to Principal Psychoses — Concluded*

RACE	Paranoia and paranoid conditions			Epileptic psychoses			Psycho-neuroses and neuroses			With psychopathic personality			With mental deficiency			Undiagnosed psychoses		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Armenian	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
English	—	1	1	—	—	—	—	1	1	1	—	1	—	1	1	1	—	1
Finnish	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
French	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—
German	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hebrew	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—
Irish	2	—	2	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—
Italian <sup>1</sup>	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—
Lithuanian	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Magyar	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Scandinavian <sup>2</sup>	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Scotch	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Slavonic <sup>3</sup>	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mixed	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
Race unascertained	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—
Total	2	1	3	1	—	1	1	2	3	2	1	3	—	2	2	1	—	1

<sup>1</sup>Includes "North" and "South."<sup>2</sup>Norwegians, Danes and Swedes.<sup>3</sup>Includes Bohemian, Bosnian, Croatian, Dalmatian, Herzegovinian, Montenegrin, Moravian, Polish Russian, Ruthenian, Servian, Slovak, Slovenian.TABLE 8. *Age of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			15-19 years			20-24 years			25-29 years		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	—	1	1	—	—	—	—	—	—	—	—	—
2. Senile	5	6	11	—	—	—	—	—	—	—	—	—
3. With cerebral arteriosclerosis	11	5	16	—	—	—	—	—	—	—	—	—
4. General paralysis	9	—	9	—	—	—	—	—	—	1	—	1
5. With cerebral syphilis	1	—	1	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	5	1	6	—	—	—	—	—	—	1	1	2
9. Alcoholic	10	1	11	—	—	—	—	—	—	—	—	—
10. Due to drugs and other exogenous toxins	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	1	1	2	—	—	—	—	—	—	—	—	—
13. Manic-depressive	7	12	19	1	1	2	1	2	3	—	2	2
14. Involution melancholia	—	4	4	—	—	—	—	—	—	—	—	—
15. Dementia praecox	25	21	46	2	—	2	7	1	8	5	5	10
16. Paranoia and paranoid conditions	2	1	3	—	—	—	—	—	—	—	—	—
17. Epileptic psychoses	1	—	1	—	—	—	—	—	—	—	—	—
18. Psychoneuroses and neuroses	1	2	3	—	—	—	1	1	—	—	—	—
19. With psychopathic personality	2	1	3	—	1	1	—	—	—	—	—	—
20. With mental deficiency	—	2	2	—	—	—	—	—	—	—	—	—
21. Undiagnosed psychoses	1	—	1	—	—	—	—	—	—	—	—	—
22. Without psychosis	—	—	—	—	—	—	—	—	—	—	—	—
Total	81	58	139	3	2	5	8	4	12	7	8	15

TABLE 8. *Age of First Admissions Classified with Reference to Principal Psychoses — Continued*

PSYCHOSES	30-34 years			35-39 years			40-44 years			45-49 years		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic . . . . .	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile . . . . .	—	—	—	—	—	—	—	—	—	—	—	—
3. With cerebral arteriosclerosis . . . . .	—	—	—	—	—	—	—	—	—	1	—	1
4. General paralysis . . . . .	1	—	1	—	—	—	3	—	3	1	—	1
5. With cerebral syphilis . . . . .	—	—	—	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea . . . . .	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor . . . . .	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases . . . . .	—	—	—	1	—	1	—	—	—	—	—	—
9. Alcoholic . . . . .	—	—	—	1	—	1	—	—	—	2	—	2
10. Due to drugs and other exogenous toxins . . . . .	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra . . . . .	—	—	—	—	—	—	—	—	—	—	—	1
12. With other somatic diseases . . . . .	—	—	—	—	—	—	—	—	—	1	—	1
13. Manic-depressive . . . . .	—	2	2	—	—	—	1	1	2	2	—	2
14. Involution melancholia . . . . .	—	—	—	—	—	—	—	1	1	—	—	—
15. Dementia præcox . . . . .	2	5	7	1	5	6	5	1	6	2	2	4
16. Paranoia and paranoid conditions . . . . .	—	—	—	1	1	2	—	—	—	—	—	—
17. Epileptic psychoses . . . . .	1	—	1	—	—	—	—	—	—	—	—	—
18. Psychoneuroses and neuroses . . . . .	1	1	2	—	—	—	—	—	—	—	—	—
19. With psychopathic personality . . . . .	—	—	—	—	—	—	—	—	—	1	—	1
20. With mental deficiency . . . . .	—	—	—	—	1	1	—	—	—	—	1	1
21. Undiagnosed psychoses . . . . .	—	—	—	—	—	—	—	—	—	1	—	1
22. Without psychosis . . . . .	—	—	—	—	—	—	—	—	—	—	—	—
Total . . . . .	5	8	13	4	7	11	9	3	12	9	5	14

TABLE 8. *Age of First Admissions Classified with Reference to Principal Psychoses — Concluded*

PSYCHOSES	50-54 years			55-59 years			60-64 years			65-69 years			70 years and over		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic . . . . .	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile . . . . .	—	—	—	—	—	—	—	1	1	1	1	2	4	4	8
3. With cerebral arteriosclerosis . . . . .	1	1	2	3	—	3	1	—	1	3	—	3	3	3	6
4. General paralysis . . . . .	1	—	1	2	—	2	—	—	—	—	—	—	—	—	—
5. With cerebral syphilis . . . . .	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases . . . . .	—	—	—	2	—	2	—	—	—	1	—	1	—	—	—
9. Alcoholic . . . . .	—	—	—	2	—	2	2	—	2	2	1	3	1	—	1
10. Due to drugs and other exogenous toxins . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases . . . . .	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—
13. Manic-depressive . . . . .	—	2	2	1	1	2	1	—	1	—	1	1	—	—	—
14. Involution melancholia . . . . .	—	1	1	—	1	1	—	1	1	—	—	—	—	—	—
15. Dementia præcox . . . . .	—	1	1	1	1	2	—	—	—	—	—	—	—	—	—
16. Paranoia and paranoid conditions . . . . .	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic psychoses . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
18. Psychoneuroses and neuroses . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
19. With psychopathic personality . . . . .	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
20. With mental deficiency . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
21. Undiagnosed psychoses . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22. Without psychosis . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total . . . . .	4	6	10	13	3	16	4	2	6	7	3	10	8	7	15

TABLE 9. Degree of Education of First Admissions Classified with Reference to Principal Psychoses

PSYCHOSES	Total		Illiterate		Reads and writes <sup>1</sup>		Common School		High School		College		Unascertained
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	
1. Traumatic . . . . .	—	1	1	—	1	1	—	—	—	—	—	—	—
2. Senile . . . . .	5	6	11	—	1	1	—	1	—	—	—	—	—
3. With cerebral arteriosclerosis . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—
4. General paralysis . . . . .	11	5	16	—	—	—	—	4	3	—	—	—	—
5. With cerebral syphilis . . . . .	9	—	9	1	—	1	1	2	1	—	—	—	3
6. With Huntington's chorea . . . . .	1	—	1	—	—	—	—	—	—	—	—	—	—
7. With brain tumor . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases . . . . .	5	1	6	—	—	—	—	2	1	—	—	—	—
9. Alcoholic . . . . .	10	1	11	1	—	1	2	4	1	—	1	—	1
10. Due to drugs and other exogenous toxins . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra . . . . .	—	1	2	—	1	1	—	—	—	—	—	—	—
12. With other somatic diseases . . . . .	7	12	19	—	—	—	—	3	10	13	—	—	—
13. Manic-depressive . . . . .	—	—	—	—	—	—	—	2	2	—	—	—	—
14. Involution melancholia . . . . .	—	4	4	—	—	—	—	—	—	—	—	—	—
15. Dementia praecox . . . . .	25	21	46	1	—	1	1	9	14	23	3	1	1
16. Paranoid and paranoid conditions . . . . .	2	1	3	—	—	—	—	1	1	—	—	—	—
17. Epileptic psychoses . . . . .	—	—	—	—	—	—	—	1	—	—	—	—	—
18. Psychoneuroses and neuroses . . . . .	1	2	3	—	—	—	—	1	2	3	—	—	—
19. With psychopathic personality . . . . .	2	1	3	—	—	—	—	—	—	—	—	—	—
20. With mental deficiency . . . . .	—	2	2	—	1	1	—	—	—	—	—	—	1
21. Undiagnosed psychoses . . . . .	1	—	1	—	—	—	—	—	—	—	—	—	1
22. Without psychoses . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—
Total . . . . .	81	58	139	5	4	9	5	3	8	34	35	69	6
										27	9	36	5
										4	2	6	11

Includes those who did not complete fourth grade in school.



TABLE 10. *Environment of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			Urban			Rural			Unascertained		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic . . . . .	—	1	1	—	1	1	—	—	—	—	—	—
2. Senile . . . . .	5	6	11	5	6	11	—	—	—	—	—	—
3. With cerebral arteriosclerosis . . . . .	11	5	16	11	5	16	—	—	—	—	—	—
4. General paralysis . . . . .	9	—	9	8	—	8	—	—	—	1	—	1
5. With cerebral syphilis . . . . .	1	—	1	1	—	1	—	—	—	—	—	—
6. With Huntington's chorea . . . . .	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor . . . . .	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases . . . . .	5	1	6	5	1	6	—	—	—	—	—	—
9. Alcoholic . . . . .	10	1	11	10	1	11	—	—	—	—	—	—
10. Due to drugs and other exogenous toxins . . . . .	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra . . . . .	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases . . . . .	1	1	2	1	1	2	—	—	—	—	—	—
13. Manic-depressive . . . . .	7	12	19	7	12	19	—	—	—	—	—	—
14. Involution melancholia . . . . .	—	4	4	—	4	4	—	—	—	—	—	—
15. Dementia praecox . . . . .	25	21	46	25	21	46	—	—	—	—	—	—
16. Paranoia and paranoid conditions . . . . .	2	1	3	2	1	3	—	—	—	—	—	—
17. Epileptic psychoses . . . . .	1	—	1	1	—	1	—	—	—	—	—	—
18. Psychoneuroses and neuroses . . . . .	1	2	3	1	2	3	—	—	—	—	—	—
19. With psychopathic personality . . . . .	2	1	3	2	1	3	—	—	—	—	—	—
20. With mental deficiency . . . . .	—	2	2	—	2	2	—	—	—	—	—	—
21. Undiagnosed psychoses . . . . .	1	—	1	1	—	1	—	—	—	—	—	—
22. Without psychosis . . . . .	—	—	—	—	—	—	—	—	—	—	—	—
Total . . . . .	81	58	139	80	58	138	—	—	—	1	—	1

TABLE 11. *Economic Condition of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			Dependent			Marginal			Com- fortable			Unascertained		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic . . . . .	—	1	1	—	—	—	—	1	1	—	—	—	—	—	—
2. Senile . . . . .	5	6	11	—	1	1	3	5	8	—	—	—	2	—	2
3. With cerebral arteriosclerosis . . . . .	11	6	16	1	—	1	6	3	9	1	—	1	3	2	5
4. General paralysis . . . . .	9	—	9	1	—	1	5	—	5	—	—	—	3	—	3
5. With cerebral syphilis . . . . .	1	—	1	—	—	—	1	—	1	—	—	—	—	—	—
6. With Huntington's chorea . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases . . . . .	5	1	6	1	—	1	3	1	4	—	—	—	1	—	1
9. Alcoholic . . . . .	10	1	11	1	—	1	6	1	7	1	—	1	2	—	2
10. Due to drugs and other exogenous toxins . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases . . . . .	1	1	2	—	1	1	1	—	1	—	—	—	—	—	—
13. Manic-depressive . . . . .	7	12	19	—	1	1	4	8	12	3	2	5	—	1	1
14. Involution melancholia . . . . .	—	4	4	—	—	—	—	4	4	—	—	—	—	—	—
15. Dementia praecox . . . . .	25	21	46	1	3	4	14	13	27	3	3	6	7	2	9
16. Paranoia and paranoid conditions . . . . .	2	1	3	—	1	1	2	—	2	—	—	—	—	—	—
17. Epileptic psychoses . . . . .	1	—	1	—	—	—	1	—	1	—	—	—	—	—	—
18. Psychoneuroses and neuroses . . . . .	1	2	3	—	1	1	1	1	2	—	—	—	—	—	—
19. With psychopathic personality . . . . .	2	1	3	—	1	1	1	—	1	1	—	1	—	—	—
20. With mental deficiency . . . . .	—	2	2	—	1	1	—	—	—	—	—	—	—	1	1
21. Undiagnosed psychoses . . . . .	1	—	1	—	—	—	1	—	1	—	—	—	—	—	—
22. Without psychosis . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total . . . . .	81	58	139	5	10	15	49	37	86	9	5	14	18	6	24

TABLE 12. *Use of Alcohol by First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			Abstinent			Temperate			Intemperate			Unascertained		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic . . . . .	—	1	1	—	1	1	—	—	—	—	—	—	—	—	—
2. Senile . . . . .	5	6	11	2	3	5	2	1	3	—	—	—	1	2	3
3. With cerebral arteriosclerosis . . . . .	11	5	16	5	2	7	2	—	2	—	—	—	4	3	7
4. General paralysis . . . . .	9	—	9	5	—	5	2	—	2	2	—	2	—	—	—
5. With cerebral syphilis . . . . .	1	—	1	—	—	—	—	—	—	1	—	1	—	—	—
6. With Huntington's chorea . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases . . . . .	5	1	6	1	—	1	4	—	4	—	—	—	—	1	1
9. Alcoholic . . . . .	10	1	11	—	—	—	—	—	—	10	1	11	—	—	—
10. Due to drugs and other ex-toxins . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases . . . . .	1	1	2	1	1	2	—	—	—	—	—	—	—	—	—
13. Manic-depressive . . . . .	7	12	19	2	9	11	2	1	3	3	1	4	—	1	1
14. Involution melancholia . . . . .	—	4	4	—	3	3	—	—	—	—	—	—	—	1	1
15. Dementia praecox . . . . .	25	21	46	9	13	22	11	3	14	1	1	2	4	4	8
16. Paranoia and paranoid conditions . . . . .	2	1	3	1	1	2	1	—	1	—	—	—	—	—	—
17. Epileptic psychoses . . . . .	1	—	1	—	—	—	—	—	—	1	—	1	—	—	—
18. Psychoneuroses and neuroses . . . . .	1	2	3	—	1	1	1	1	2	—	—	—	—	—	—
19. With psychopathic personality . . . . .	2	1	3	1	1	2	1	—	1	—	—	—	—	—	—
20. With mental deficiency . . . . .	—	2	2	—	1	1	—	—	—	—	—	—	—	1	1
21. Undiagnosed psychoses . . . . .	1	—	1	—	—	—	1	—	1	—	—	—	—	—	—
22. Without psychosis . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total. . . . .	81	58	139	27	36	63	27	6	33	18	3	21	9	13	22



TABLE 14. *Psychoses of Readmissions*

PSYCHOSES	Males	Females	Total.
1. Traumatic . . . . .	—	—	—
2. Senile psychoses . . . . .	—	1	1
3. Psychoses with cerebral arteriosclerosis . . . . .	2	1	3
4. General paralysis . . . . .	2	—	2
5. Psychoses with cerebral syphilis . . . . .	—	—	—
6. Psychoses with Huntington's chorea . . . . .	—	—	—
7. Psychoses with brain tumor . . . . .	—	—	—
8. Psychoses with other brain or nervous diseases . . . . .	—	—	—
9. Alcoholic psychoses . . . . .	—	—	—
10. Psychoses due to drugs and other exogenous toxins . . . . .	—	—	—
11. Psychoses with pellagra . . . . .	—	—	—
12. Psychoses with other somatic diseases . . . . .	—	—	—
13. Manic-depressive psychoses . . . . .	4	10	14
14. Involution melancholia . . . . .	—	—	—
15. Dementia praecox . . . . .	2	4	6
16. Paranoia and paranoid conditions . . . . .	—	—	—
17. Epileptic psychoses . . . . .	—	—	—
18. Psychoneuroses and neuroses . . . . .	—	1	1
19. Psychoses with psychopathic personality . . . . .	—	—	—
20. Psychoses with mental deficiency . . . . .	—	—	—
21. Undiagnosed psychoses . . . . .	—	—	—
22. Without psychosis . . . . .	—	—	—
Total . . . . .	10	17	27

TABLE 15. *Discharge of Patients Classified with Reference to Principal Psychoses and Condition of Discharge*

PSYCHOSES	Total			Recovered			Improved			Unimproved		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic . . . . .	1	—	1	—	—	—	1	—	1	—	—	—
2. Senile . . . . .	1	—	1	—	—	—	1	—	1	—	—	—
3. With cerebral arteriosclerosis . . . . .	—	1	1	—	—	—	—	1	1	—	—	—
4. General paralysis . . . . .	1	1	2	—	—	—	1	1	2	—	—	—
5. With cerebral syphilis . . . . .	—	—	—	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea . . . . .	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor . . . . .	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases . . . . .	2	—	2	—	—	—	2	—	2	—	—	—
9. Alcoholic . . . . .	7	1	8	1	—	1	5	1	6	1	—	1
10. Due to drugs and other exogenous toxins . . . . .	1	—	1	—	—	—	1	—	1	—	—	—
11. With pellagra . . . . .	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases . . . . .	—	3	3	—	—	—	—	3	3	—	—	—
13. Manic-depressive . . . . .	8	14	22	—	—	—	7	13	20	1	1	2
14. Involution melancholia . . . . .	—	1	1	—	—	—	—	1	1	—	—	—
15. Dementia praecox . . . . .	5	16	21	—	—	—	4	13	17	1	3	4
16. Paranoia and paranoid conditions . . . . .	—	2	2	—	—	—	—	2	2	—	—	—
17. Epileptic psychoses . . . . .	2	—	2	—	—	—	1	—	1	1	—	1
18. Psychoneuroses and neuroses . . . . .	—	1	1	—	—	—	—	—	—	—	1	1
19. With psychopathic personality . . . . .	1	3	4	—	—	—	1	3	4	—	—	—
20. With mental deficiency . . . . .	—	2	2	—	1	1	—	1	1	—	—	—
21. Undiagnosed psychoses . . . . .	—	—	—	—	—	—	—	—	—	—	—	—
22. Without psychosis . . . . .	—	—	—	—	—	—	—	—	—	—	—	—
Total . . . . .	29	45	74	1	1	2	24	39	63	4	5	9

TABLE 16. Causes of Death of Patients Classified with Reference to Principal Psychoses

CAUSES OF DEATH	Total			Senile		With cerebral arterio-sclerosis		General paralysis		Alcoholic		Manic-depressive		Involution melancholia	
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
<i>Epidemic, Endemic and Infectious Diseases</i>															
Influenza . . . . .	1	1	2	-	1	1	-	-	-	-	-	-	-	-	-
Tuberculosis of the respiratory system . . . . .	2	3	5	-	-	-	-	-	-	-	-	-	-	-	-
Tuberculosis of other organs . . . . .	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis (non-nervous forms) . . . . .	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Purulent infection, septicaemia . . . . .	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
<i>General Diseases not Included in Class I</i>															
Cancer and other malignant tumors . . . . .	1	4	5	-	1	1	-	-	-	-	-	-	-	-	-
Tumor (non-cancerous) . . . . .	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Diabetes . . . . .	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
<i>Diseases of the Nervous System</i>															
Cerebral hemorrhage, apoplexy . . . . .	1	1	2	-	-	-	1	-	1	-	-	-	-	-	-
General paralysis of the insane . . . . .	7	1	8	-	-	-	-	7	1	8	-	-	-	-	-
Other diseases of the nervous system . . . . .	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
<i>Diseases of the Circulatory System</i>															
Endocarditis and myocarditis . . . . .	5	2	7	3	-	3	1	-	1	-	-	-	-	-	-
Arteriosclerosis . . . . .	4	3	7	1	-	1	2	1	3	-	-	-	-	-	-
<i>Diseases of the Respiratory System</i>															
Bronchopneumonia . . . . .	2	1	3	2	-	2	-	-	-	-	-	-	-	1	1
Lobar pneumonia . . . . .	5	-	5	-	-	-	2	-	2	-	-	-	-	-	-
Other diseases of the respiratory system (tuberculosis excepted) . . . . .	3	-	3	-	-	-	1	-	1	-	-	-	-	-	-
<i>Non-Veneral Diseases of Genito-Urinary System and Anus</i>															
Nephritis . . . . .	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases of genito-urinary system . . . . .	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-
<i>Diseases of the Skin and the Cellular Tissue</i>															
Other diseases of skin and annexa . . . . .	1	1	1	-	1	1	-	-	-	-	-	-	-	-	-
Other diseases not Included in Above Groups . . . . .	2	2	4	1	1	2	1	-	1	-	-	-	-	-	-
<i>External Causes</i>															
Other external causes . . . . .	-	1	1	-	1	1	-	-	-	-	-	-	-	-	-
Total . . . . .	40	22	62	7	5	12	8	1	9	-	-	-	-	1	1



TABLE 16. Causes of Death of Patients Classified with Reference to Principal Psychoses — Concluded.

CAUSES OF DEATH	Dementia praecox		Paranoia and paranoid conditions		Epileptic psychoses		Psycho-neuroses and neuroses		With psychopathic personality		With mental deficiency		# All other psychoses
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	
<i>Epidemic, Endemic and Infectious Diseases</i>													
Influenza	1	—	1	—	—	—	—	—	—	—	—	—	—
Tuberculosis of the respiratory system	1	3	4	—	—	—	—	—	—	—	1	—	—
Tuberculosis of the organs	1	—	1	—	—	—	—	—	—	—	—	—	—
Syphilis (non-nervous forms)	—	—	—	—	—	—	—	—	—	—	—	—	1
Purulent infection, septicaemia	1	—	1	—	—	—	—	—	—	—	—	—	—
<i>General Diseases not Included in Class I</i>													
Cancer and other malignant tumors	1	1	2	—	—	1	1	—	—	—	—	—	1
Tumor (non-cancerous)	—	1	1	—	—	—	—	—	—	—	—	—	—
Diabetes	—	—	—	—	—	—	—	—	—	—	—	—	1
<i>Diseases of the Nervous System</i>													
Cerebral hemorrhage, apoplexy	—	1	1	—	—	—	—	—	—	—	—	—	—
General paralysis of the insane	—	—	—	—	—	—	—	—	—	—	—	—	—
Other diseases of the nervous system	—	—	—	—	—	—	—	—	—	—	—	—	1
<i>Diseases of the Circulatory System</i>													
Endocarditis and myocarditis	—	1	1	—	1	1	—	—	—	—	—	—	1
Arteriosclerosis	—	1	1	—	—	—	—	—	—	1	1	—	1
<i>Diseases of the Respiratory System</i>													
Bronchopneumonia	—	—	—	—	—	—	—	—	—	—	—	—	—
Lobar pneumonia	2	—	2	—	—	—	—	—	—	—	—	—	—
Other diseases of the respiratory system (tuberculosis excepted)	1	—	1	—	—	—	—	—	—	—	—	—	1
<i>Non-Veneral Diseases of Genito-Urinary System and Anæmia</i>													
Nephritis	1	—	1	—	—	—	—	—	—	—	—	—	—
Other diseases of genito-urinary system	1	1	2	—	—	—	—	—	—	—	—	—	—
<i>Diseases of the Skin and the Cellular Tissue</i>													
Other diseases of the skin and annæxa	—	—	—	—	—	—	—	—	—	—	—	—	—
Other diseases not included in above Groups	—	1	1	—	—	—	—	—	—	—	—	—	—
<i>External Causes</i>													
Other external causes	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	10	10	20	—	1	1	—	—	—	1	1	—	6
													1
													7

\* Includes group 22, "without psychosis."

TABLE 17. Age of Patients at Time of Death Classified with Reference to Principal Psychoses

PSYCHOSES	Total			25-29 years	30-34* years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70 years and over
	M.	F.	T.									
1. Traumatic.	7	5	12	-	-	-	-	-	-	-	-	-
2. Senile.	8	1	9	-	-	-	-	-	-	-	-	-
3. With cerebral arteriosclerosis.	8	1	9	-	-	-	-	1	1	1	1	6
4. General paralysis.	1	-	1	-	-	2	1	-	3	1	3	4
5. With cerebral syphilis.	-	-	-	-	-	-	1	-	-	-	-	10
6. With Huntington's chorea.	-	-	-	-	-	-	-	-	3	1	1	5
7. With brain tumor.	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases.	2	-	2	-	-	1	-	-	-	-	-	-
9. Alcoholic.	-	-	-	-	-	1	-	-	-	-	-	1
10. Due to drugs and other exogenous toxins.	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra.	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases.	1	1	2	-	-	-	-	1	1	-	-	-
13. Manic-depressive.	-	-	-	-	-	-	-	-	-	-	-	-
14. Involution melancholia.	-	1	1	-	-	-	-	-	-	-	-	-
15. Dementia praecox.	10	10	20	2	1	1	2	3	1	1	1	3
16. Paranoia and paranoid conditions.	-	-	-	-	-	-	4	-	-	2	-	5
17. Epileptic psychoses.	-	1	1	-	-	-	1	-	-	-	-	-
18. Psychoneuroses and neuroses.	-	-	-	-	-	-	-	-	-	-	-	-
19. With psychopathic personality.	-	1	1	-	-	-	-	-	-	1	-	-
20. With mental deficiency.	1	-	1	1	-	-	-	-	-	-	-	-
21. Undiagnosed psychoses.	-	-	-	-	-	-	-	-	-	-	-	-
22. Without psychosis.	2	-	2	-	1	-	-	-	-	-	-	1
Total.	40	22	62	3	1	4	4	5	5	3	4	16
					1	-	3	5	2	2	3	6
					-	1	7		7	5	7	22

\*None between 35-39.









# The Commonwealth of Massachusetts



## ANNUAL REPORT

OF THE

## TRUSTEES

OF THE

# FOXBOROUGH STATE HOSPITAL

FOR THE

YEAR ENDING NOVEMBER 30, 1930

DEPARTMENT OF MENTAL DISEASES



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# FOXBOROUGH STATE HOSPITAL

## FOXBOROUGH STATE HOSPITAL

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Principal of Training School*  
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### TRUSTEES' REPORT

*To His Excellency the Governor and the Honorable Council:*

The Commonwealth of Massachusetts has at least one definite obsession. And that obsession is the best possible care of its mentally sick. Minor in its quantity, but the same in its essence, the same idea has obsessed your Board of Trustees at Foxborough. It is captivating, it is controlling, it is commanding. Like breeds like. What our Commonwealth wants for the whole State, we want for Foxborough. And whenever our requests go to the State authorities, they may go to wiser heads, but they never go to deaf ears or unsympathetic hearts. When we look upon an array of modern buildings erected within the recent years; when we look upon our new male employees' homes and upon our new nurses' home, both now near completion, our justifiable pride swells within us. Based upon our confidence and according to plans now being carefully made, we further anticipate the construction of our much-needed dormitory for patients and employees at the Hersey Farm, two miles away. This building when supplied will not only meet a pressing need but yield a definite economic return.

Our last annual report referred to wards C and D, then in process of being remodeled under a special appropriation, as being then in favorable progress. That appropriation, however, was insufficient to complete the work. We have therefore requested, and will probably get, \$7,000 more to complete this work which, when it is done, will make it possible to carry on the project of widening the day spaces of the female wards already provided for in a special appropriation of \$35,000 granted in 1930. We would mention also the need of a new assembly hall and a

new laundry as the buildings now in use are inadequate to meet the requirements of the institution.

After many years of devoted service amounting to consecration, Howard F. Irish, our steward for many years, died November 22, 1929. Mr. Chester R. Harper was appointed to that most important position on August 1, 1930.

I stretch not the truth when I say that your Trustees have been intelligently solicitous and caretaking in their watchfulness for the present and future usefulness of your hospital. They believe in their acquired obsession and intend to retain it. They are not content with the good if there is a better, nor with the better so long as the best lies beyond.

The following reports tell the story.

Respectfully submitted,

CHARLES A. LITTLEFIELD, *Chairman*

BENNET B. BRISTOL, *Secretary*,

MINNA R. MULLIGAN,

CLAIRE H. GURNEY,

THOMAS J. SCANLAN,

WILLIAM H. BANNON,

HORACE A. KEITH,

*Trustees.*

## SUPERINTENDENT'S REPORT

*To the Trustees of the Foxborough State Hospital:*

The thirty-ninth annual report of the Superintendent of the Foxborough State Hospital for the fiscal year ending November 30, 1930, and for the statistical year ending September 30, 1930, is respectfully submitted.

### PATIENT POPULATION

The quota of patients as established by the Department of Mental Diseases was 975. On October 1, 1929, there were males, 474, and females, 516; total 990. On September 30, 1930, there were males, 475, and females, 547; total 1022, showing a gain of 32. The statistical tables found elsewhere in this report give a complete record of the movement of population.

Many of the new admissions were sent from nearby towns. We continued to admit cases from the City of Boston but in smaller number than in previous years because of lack of room while certain wards remained closed during their reconstruction.

At the close of the year there were 25 ex-service men in the hospital. The medical staff were especially active in bringing up for consideration for trial visit all cases which appeared suitable to return to the community. Close supervision of the cases on visit, not only through our Social Service Department but also through the agency of our Out-Patient Clinics, enabled the majority of the cases to remain in their own homes or in places arranged for by the hospital.

Further increase in the number of women patients made it necessary to take for their use another male ward, Ward T, at least temporarily during the reconstruction of Wards C and D. This move necessitated a crowding of the male patients, which was later relieved by a transfer of 15 male patients to the Grafton State Hospital. It is expected that the sum of \$7,000, still necessary to complete Wards C and D, will be appropriated in 1931 and make possible the re-opening of both these wards in the near future. The plans for a new farm dormitory building for patients and employees are now under consideration and work on the building will be started as soon as excavation is possible. The project of widening the day spaces on the female wards under an appropriation granted last spring has been delayed pending the completion of Wards C and D.

### MEDICAL SERVICE.

On December 31, 1930, Dr. Raymond A. Johnson, Assistant Physician, resigned to take a position on the resident staff of the Boston City Hospital. On January 28, 1930, Dr. George A. Gaunt, Senior Assistant Physician, resigned to take a position on the resident staff of a private hospital for mental diseases. On May 1, 1930, Dr. Frank O. King was appointed Senior Physician. Dr. King is a graduate of the University of Vermont Medical School and came to us as a transfer from the Taunton State Hospital, where he had served as an assistant physician for



over two years. On August 1, 1930, Dr. Louise R. Gowanloch was appointed as assistant physician. She is a graduate of the Rush Medical College and had just completed a general hospital internship of two years.

During the year all newly admitted patients were considered before the staff in conference, as well as all cases which were dismissed from the hospital on visit or by discharge.

More equipment was added to the operating room. A number of major operations were performed by the visiting staff assisted by the resident.

#### EMPLOYEES

On October 1, 1929, there were 191 employees. The daily average was 189; total number leaving the service 174; total number appointed 202. The work on the new Male Employees' Home and new Nurses' Home, begun October first, has progressed very rapidly and the buildings should be ready for occupancy early next spring. They will provide accommodations for 73 men and 63 women respectively, and will make it possible to remove all employees from living quarters in patients' buildings.

On October 1, 1931, a Training School for Psychiatric Nursing was opened with a class of eighteen. The course is to consist of lectures, demonstrations, and practical work during two full years. Although the subjects to be taught are in general much the same as those found in other types of training schools the amount of time to be devoted to general subjects will be somewhat less, while greater emphasis will be laid upon psychiatric subjects and mental nursing. Miss Marion E. Blanchard, R.N., a graduate of the State Infirmary, Tewksbury, was appointed Principal of the School of Nursing on October 1, 1930. Miss Blanchard was formerly engaged in Public Health work for the City of Springfield and later for the State of Maine. At the time of joining our staff she was Instructress of Nursing at the State Infirmary. She has taken special courses in teaching and psychology and we believe her to be well qualified to undertake the important work of the organization of the Training School.

On February 5, 1930, a Club Room and Canteen was opened for the use of the employees of the hospital. Much interest has been shown by the employees and we believe this activity will add greatly to their comfort and contribute towards greater happiness and efficiency in their work. A pool table and bowling alley are among the facilities provided.

#### GENERAL HEALTH OF THE HOSPITAL

There were a few cases of infectious disease among both patients and employees, but fortunately not enough to constitute an epidemic. The opening of a special suite to care for such cases aided greatly in preventing a spread of the disease.

#### X-RAY AND PHYSIOTHERAPY

Nearly 2,000 treatments in physiotherapy were administered during the year and over 1,100 X-rays taken, as listed below:— Diathermy, 141; baking, 928; massage, 368; ultra-violet, 545; total treatments, 1,982.

Number of films used, 623; number of dental films used, 478; number of films used for experimental work, 32; total, 1,133.

#### HYDROTHERAPY

Briefly summarized, treatments were given as follows:—

	Males	Females
Number of patients given wet sheet packs . . . . .	65	31
Number of packs administered . . . . .	184	220
Number of hours of treatment given in wet sheet packs . . . . .	633 $\frac{3}{4}$	675 $\frac{1}{4}$
Number of patients given continuous baths . . . . .	157	171
Number of bath treatments given . . . . .	12,906	1,665
Number of hours of continuous bath treatments given . . . . .	10,710 $\frac{1}{2}$	9,229 $\frac{1}{2}$
Number of tonic bath treatments . . . . .	1,394	

## OCCUPATIONAL THERAPY

This very important therapeutic measure was strongly featured throughout the year. Classes were conducted on the wards as well as in the class room. Added equipment made it possible to keep a large number of the patients occupied in groups. The following list of articles indicates the nature of the work done by the patients. Many of the things are useful and are distributed throughout the hospital, but their value is of secondary importance to the beneficial effect that the occupation itself has upon the mental condition of the patient.

Work done: — 12 book cases, 6 pr. bed socks, 184 knitted face cloths, 3 braid weave rugs, 7 hooked rugs, 21 braid rugs, 74 loom made rugs, 7 crocheted rugs, 6 reed waste baskets, 2 small sewing baskets, 1 foot stool, 2 luncheon sets, 1 bridge set, 8 magazine racks, 35 sofa pillows, 3,720 sponges, 165 runners and napkins, 41 chairs scraped and painted, 1 hat stand, 15 door stops, 8 telephone stands, 3 stencils, 3 stools scraped and painted, 5 decorative parrots, 2 end tables, 1 coffee table, 4 reed trays, 65 bath towels, 79 pr. curtains, 79 pr. tie backs, 3 valances, 83 doz. dish towels, 35 pr. men's hose toed, 3 couch covers, 1 instrument rack, 2 stools scraped and enameled, 4 library signs, 5 desk markers, 1 shield painted, 30 silhouettes, 1 loom warping rack, 2 signs, 1 foot loom repaired, 1 warp round, 2 trays, 2 linen squares, 12 doilies, 4 painted jars, 17 sets book ends, 1 bulletin board repaired and painted, 1 sheet metal lantern, 4 crayon wall hangings, 6 white rugs, 1 table cover, 117 lbs. rags dyed, 4 rugs framed, 2 Tercentenary floats, 3 alter cloths.

## WOMEN'S INDUSTRIAL

Many of the patients who receive training in occupational therapy classes are later assigned to further occupation in the industrial group, where all the articles manufactured or repaired are intended for hospital use. The following is a list of the work done: — 35½ doz. aprons, 4 baseball bases, 19 pack blankets, 20 bound blankets, 25 tea and coffee bags, 106 laundry bags, 28 doz. personal laundry bags, 30 bathrobes, 18 surgical binders, 9 doz. bibs, 9 couch sets, 9 physicians' caps, 2½ doz. tub covers, 2 doz. screen covers, 2 doz. extractor covers, 1½ doz. bakery covers, 160 pr. curtains, 63 pr. sash curtains, 24 door curtains, 4 shower curtains, 25 pr. overdrapes, 22 doz. combinations, 2 cushions, 47 doz. dresses, 78 doz. strong dresses, 6 dusters, 2 doz. dish cloths, 91 doz. garters, 4½ doz. surgeons gowns, 6 spectators' gowns, 11 hydro. hammocks, 73 kitchen holders, 9 instrument cases, 24 pr. surgical leggins, 62 mattress ticks, 6 pr. flannel mittens, 3 doz. napkins, 225½ doz. night dresses, 109½ doz. short bed gowns, 14 doz. night shirts, 1,023½ doz. sanitary pads, 11 table pads, 224½ doz. pillow cases, 14 doz. pillow ticks, 4 pr. portieres, 12 sand bags, 12 slips, 18 doz. pr. slippers, 325 doz. sheets, 15 doz. surgical sheets, 96 doz. shirts, 8 smocks, 39 doz. table cloths, 340 doz. bath towels, 297 doz. hand towels, 19½ doz. glass towels, 23 doz. huck towels, 113 pr. tie backs, 10½ doz. window shades, 48 valances.

*Repaired:* — 809 aprons, 430 bathrobes, 1,140 blankets, 196 bibs, 183 bureau scarfs, 407 bloomers, 5 baker's cloths, 716 coats, 22 corselettes, 10 couch covers, 1,993 combinations, 4 extractor covers, 12 curtains, 4,379 dresses, 118 hydro. covers, 74 hydro. hammocks, 504 laundry bags, 102 laundry board covers, 114 mattress ticks, 6,684 night dresses, 242 overalls, 835 pants, 43 pajamas, 85 petticoats, 780 pillow cases, 23 pillow ticks, 542 slips, 1,272 sheets, 3,229 shirts, 806 spreads, 4,922 pr. stockings, 5 screen covers, 39 sweaters, 336 table cloths, 152 towels, 160 undershirts, 109 underdrawers, 150 unionsuits, 16 vests.

## MEN'S INDUSTRIAL

The work of this department consisted of both manufacturing and repairing of many miscellaneous articles. In addition several thousand gallons of vegetables were canned. The following is a list of work done:

*Made:* — 375 brooms, 838 yds. toweling, 247 shades, 263 single mattresses, 10 double mattresses, 91 pillows, 863 prs. socks, 32 pictures framed, 136 brushes, 1 pr. bed boards, 2 tables, 1 model of institution, 4 baseball pads, 50 prs. brackets, 1 carved oak frame, 1 mirror framed, 4 medicine trays, 9 cushions.

*Repaired:* — 37 clocks, 11 locks, 1,112 chairs, 13 tables, 32 benches, 158 shades,



480 broom handles, 863 prs. socks, 2 chairs upholstered, 8 sewing machines, 6 plant stands, 8 saws.

*Canned:* — 3,766 gals. tomatoes, 957 gals. string beans, 5,210 lbs. cabbage made into saurkraut.

#### PATHOLOGICAL AND RESEARCH

Dr. D. Rothschild has carried on very successfully the work of this department. On June 15, 1930, Mrs. Bertha Mullens resigned from the position of Head Technician to take a similar position in Iowa. Mrs. Evelyn Burke was promoted to her place. Mr. Charles Hamburg, who had just completed the course in laboratory technique, was added to the staff and another student was admitted to the course. An outline of the work done is given below: —

Thirty-three post mortem examinations were performed during the course of the year, three of which were made on outside cases for physicians in the surrounding communities.

The neuropsychiatric diagnoses of these cases were as follows: — Psychosis with cerebral arteriosclerosis, 9; senile psychosis, 5; dementia praecox, 4; general paresis, 4; alcoholic psychosis, 2; psychosis with cerebrospinal syphilis, 1; Alzheimer's disease, 1; psychosis with multiple sclerosis, 1; manic depressive psychosis, 1; psychosis with organic brain disease, (cerebral emboli) 1; involution melancholia, 1.

The primary causes of death were determined as follows: — Cerebral arteriosclerosis, 4; general paresis, 4; generalized arteriosclerosis, 3; carcinoma, 3; senile psychosis, 2; alcoholic psychosis, 2; cerebral hemorrhage, 2; coronary sclerosis, 2; multiple sclerosis, 1; Alzheimer's disease, 1; pulmonary tuberculosis, 1; miliary tuberculosis with generalized arteriosclerosis, 1; acute endocarditis, 1; subacute endocarditis with cerebral emboli, 1; cerebrospinal syphilis, 1; pernicious anemia, 1.

Sectioning and staining of the material obtained from these cases occupied a prominent part in the program of this department. At the present time a number of cases of cerebral arteriosclerosis and senile psychosis are being studied intensively for the purpose of correlating the anatomical findings with the changes in the blood cerebro-spinal fluid barrier as revealed by the bromide permeability tests. Among other interesting problems which are being investigated, mention may be made of two cases of Alzheimer's disease and two cases of endocarditis with vascular changes in the brain.

#### CHEMICAL AND SEROLOGICAL DEPARTMENTS

During the past year the work in these departments has been greatly expanded. Complete blood counts and urinalyses are performed as a routine procedure in all cases admitted to the hospital. Blood chemical studies are being carried out on all new patients. Thus the sugar content of the blood was determined in 245 cases, calcium content in 357 cases, and the chloride content in 375 cases. Other quantitative chemical examinations were made upon request.

Numerous bacteriological examinations of sputum and of nose and throat cultures were made. Over eighty smears were examined for Neisser's infection. Several autogenous vaccines were prepared and administered. Blood cultures were taken in all cases of suspected septicemia. Dark field examinations were carried out where the findings were suspicious of primary or secondary lesions. As in previous years, basal metabolisms were done by the laboratory workers. Kidney function tests, gastric analyses, and other miscellaneous procedures were performed at the request of the medical staff.

Two hundred and seventeen specimens of spinal fluid were examined during the course of the year. In accordance with the previously mapped out plans these fluids were subjected to an intensive investigation along chemical lines. In all these cases quantitative determinations were made of the sugar, calcium, and chloride contents of the blood and spinal fluid. At the same time, the bromide distribution ratio was estimated by Walter's method. In this manner, it is possible to compare the ratio of distribution of these substances between the blood and cerebrospinal fluid. Some of the results from this work form the basis for an article on the blood cerebro-spinal fluid barrier in manic depressive psychosis, which is

being prepared for presentation at the next meeting of the Association for Research in Nervous and Mental Diseases. Further papers along these lines are being planned. In addition to the above mentioned procedures, all spinal fluids are examined for albumen, globulin, number of cells, and colloidal gold curve.

The laboratory has continued to have direct supervision of the anti-syphilitic treatments. For several months an intravenous preparation of bismuth was tried out but as it apparently possessed no advantages over intramuscular medication, a return was made to the latter method of administration. Malarial treatment is again being used in all suitable cases. This necessitates a very close follow-up on the part of the laboratory. Complete blood counts are performed twice weekly on these patients and blood smears are examined for malarial parasites at equally frequent intervals.

As in the past, physicians from nearby communities are utilizing the special facilities of the laboratory for such special examinations as blood counts, throat cultures, urinalyses, etc.

During the current year the following paper was published:

"Barrier Between the Blood and Cerebro-Spinal Fluid: "Distribution Ratio of Bromides in Schizophrenia" by Wm. Malamud and D. Rothschild. Archives of Neurol. and Psychiat., Vol. 24, p. 348, 1930.

The following paper will be published as soon as it has been read at the meeting of the Association for Research in Nervous and Mental Diseases:

"Studies on the Blood Cerebro-Spinal Fluid Barrier in Manic-depressive Psychosis" by D. Rothschild and Wm. Malamud.

In addition several articles are in preparation. The first two following will be submitted for publication within a short time:—

"A Progressive-Degenerative Form of Endarteritis of the Small Pial Vessels" by D. Rothschild and K. Lowenberg.

"Alzheimer's Disease, Its Association with Other Affections of the Brain" by K. Lowenberg and D. Rothschild.

"Further Studies on the Blood Cerebro-Spinal Fluid in Psychoses" by D. Rothschild.

"Alzheimer's Disease, a Clinicopathologic Study with Particular Emphasis on Cell Architecture and Pathoklisis" by D. Rothschild.

#### NEUROPSYCHIATRIC CLINICS

Two Out-Patient Mental Clinics were conducted throughout the year, one in our own institution and the other in the Brockton Hospital, where most of the cases were seen. The work was well carried on by Dr. Rothschild, assisted by Dr. Cornelius E. J. Schorer.

The main activities of the Clinic were centered about the diagnosis and treatment of the different neuropsychiatric disorders met with. A large variety of conditions was observed, patients as young as four weeks and as old as eighty years being examined during the course of the year. Most of the cases were sent to the Clinic by physicians and social agencies of Brockton and nearby communities. The police authorities also referred cases for treatment. Written reports regarding the diagnosis and further management of the cases were made to the physicians or agencies concerned. Whenever further psychotherapeutic measures were thought advisable, regular attendance at the Clinic was advised.

Four hundred and thirty-two visits were made to the Clinic during the past year. Of this number one hundred and thirty-six were new cases.

The largest group of cases, thirty in number, was composed of various types of behavior problems in children or adolescents whose intellectual attainments were within normal limits. The problems presented were very diverse, consisting chiefly of sexual difficulties, waywardness, and disorders of conduct at home or in school, and various asocial tendencies. There were a number of cases of enuresis included in this group. Most of these patients made repeated visits to the Clinic, as a result of which definite improvement occurred in a large proportion of them. The majority showed unfavorable environmental influences, which had to be corrected. For this reason it was necessary to give explanations along mental hygiene lines to the parents or other persons interested in the individual cases. Such spreading of

knowledge of mental hygiene among the general populace is regarded as an important feature of the Clinic work.

Twenty-six cases represented various types of psychoneuroses. Anxiety hysteria and traumatic neuroses were most frequently met with. Practically all such cases were seen repeatedly, some form of psychotherapy being undertaken in all of them.

In twenty cases a diagnosis of mental deficiency was made. In many of the milder cases it was possible to point out more skillful ways of management, with the result that there was considerable improvement in the adjustments of these patients to their environment. Where the mental defect was more severe, special classes or institutional care was recommended.

Fourteen of the cases were grouped under the heading of psychoses. Some of these were patients who were on visit from the Foxborough State Hospital. In most of the others it was necessary to advise observation or commitment to a State Hospital.

The remaining cases consisted chiefly of miscellaneous neurological conditions. Among these the common conditions were cerebral arteriosclerosis, post-traumatic changes in the brain, and peripheral nerve lesions. A number of interesting and rare conditions were also observed, among which may be mentioned meralgia paresthetica, narcolepsy, and oxycephaly.

In addition to the Clinic patients, over fifty-five patients were seen in consultation on the wards of the Brockton Hospital. A number of these cases were followed up in the Clinic after their discharge from the wards.

As in previous years, a series of three lectures in mental hygiene and psychotherapy was given to the nurses in training at the Brockton Hospital.

The Psychological Department of the Foxborough State Hospital has given valuable service to the Clinic, 75 psychometric examinations being performed there during the course of the year. In addition, the probationers' class of nurses at the Brockton Hospital was given the Army Alpha Group tests. The Social Service Department under the supervision of Miss Moseley has been of great help in obtaining histories and in investigating the home surroundings of the patients when necessary. The various social agencies in Brockton have continued to be very cooperative, thereby frequently being of real assistance in bringing about a better adjustment of the patients.

In closing we desire to express our thanks to the staff of the Brockton Hospital for the help and cooperation extended by them as well as to all the social and other agencies who gave us such valuable assistance in establishing contacts with our cases and in maintaining a supervision over them.

#### SCHOOL CLINIC.

Dr. Cornelius B. J. Schorer assisted by a psychometrist and the Social Service Department has continued with this highly important work.

During the year from December 1, 1929 to November 30, 1930, the School Clinic was held in thirteen towns out of twenty-two assigned to our district. In all towns visited this year examinations had been made previously. Of the twenty-two assigned, nine have established special classes. In one of the towns there have been three special classes for some time and in another two have been opened recently.

During the past year 375 children were examined, 260 boys and 115 girls. Of these 117, 62 boys and 55 girls, were found to be feeble-minded, and of these 99 children, 54 boys and 45 girls, were recommended for the special class. The remaining 28 were too old at the time of the examination to be benefited by a change to a special class. Three children were of so low grade mentality that even special class training could not be recommended and they were clearly institutional cases. The towns visited during the year were Hull, Walpole, Weymouth, Norwood, Stoughton, Bridgewater, Braintree, Foxborough, Canton, Needham, Bellingham, Mendon and Mansfield.

During the first two months no psychometrist was available and the work was done entirely by Dr. Schorer. Since the first of February Miss Atkinson has done the psychometric examinations, and in seven of the towns she also did the school tests as no teacher could be furnished by the town. In six of the towns the work was done by a teacher assigned by the Superintendent. In seven towns the school



nurses obtained the histories for us, and in the six other towns the histories were obtained by the Social Service Department.

We have had the hearty cooperation of the school authorities in the towns visited. Our presence has been used by teachers and principals to talk over special problems in the towns, and in some of the towns there has been lately an effort to bring the children early for examination, even assigning children from the first two grades, with very satisfactory results. In some of the towns we have seen many children from foreign language homes which have as such presented a special difficulty in school, especially the younger children. We have also seen a number of behavior problems. On a few occasions these children have been recommended for further treatment in the Out-Patient Department. A comparatively large group of children with a special disability in reading has been found, and advice as to their special tutoring has been given. These children were found in the normal intelligence group, as well as grading down to the distinctly feeble-minded.

In the Out-Patient Department in the hospital ten children were examined by special appointment. A few of these were referred by superintendents of schools. Others were brought directly by the parents. The chief reasons for bringing were behavior difficulties, most of them rather mild in type and easy of correction.

The psychometrist examined the children in the school clinic after February, and as mentioned, also did the school tests in some of the towns. She further did the psychometric examinations at the Brockton Clinic, and during the year psychometric examinations were made on 136 patients in the hospital. In addition, twenty-nine court cases were examined by her.

A lecture on "The Habit Training of Children" was given by Dr. Schorer at the East Foxborough Parent-Teachers' Association in March, upon the request of the Massachusetts Society for Mental Hygiene.

We wish to express our appreciation to the school authorities for their cooperation and help during the year.

#### DENTAL REPORT

Dr. Arthur G. Webster has continued to work on a part time basis assisted by Miss Pearl C. Vincent, dental hygienist. The gradual but steady increase in the patient population has thrown more and more work upon this department and it is now felt that the full time services of the dentist are needed to adequately examine and treat all cases.

Patients were treated as follows: — Number of different patients treated, 801; extractions, 351; fillings, 226; X-rays, 107; cleaned, scaled, examined and charted, 1,244; operations, 1,272.

A considerable number of dental plates were made and pieces of bridge work done.

#### SOCIAL SERVICE

Miss Elizabeth Moseley has carried on the work of this department and has been assisted by one psychiatric social worker and two students. Much additional work has been thrown upon this department in the social investigation of cases referred for examination under the Briggs Law. We feel that a great deal has been accomplished through out social service in the work of the year.

This department has dealt during the year since December 1, 1929, with a total of 788 cases (431 males and 357 females). Of these 563 (325 male, 238 females) were referred to the Department for the first time.

Of this total number 415 were patients under commitment to the hospital (200 males, 215 females). Of these patients 232 (114 males, 118 females) were new admissions to the hospital during the year and automatically referred to this Department for a social history and investigation. There were during the year 139 patients on prolonged visit from the hospital under the supervision of this Department. Of these 60 were men and 79 women. Practically all of them have been kept in touch with either by personal call or by letters, and in many cases intensive social treatment has been given.

The remaining 373 cases dealt with were those in the community, not under commitment to the hospital. Of these community cases 170 were those of retarded school children whose social histories were secured in connection with the

school clinic work, covering eight towns; namely, Bellingham, Braintree, Bridgewater, Canton, Foxborough, Mendon, Norwood and Stoughton. In order to secure these histories the home of each child was visited at least once, and the school teacher was interviewed. The other large group of community cases, 165, were patients reporting at our Brockton Neuropsychiatric Clinic, where 205 interviews were held by the social worker, 68 with patients and 137 with persons accompanying them. These interested individuals are often local social workers or district nurses, and our contacts with them have been most pleasant and interesting. Of the other 38 cases, 33 have been those of persons awaiting trial, who, in accordance with the Briggs Law, were being examined for their mental condition, and in whose cases we were asked to make a social investigation. The remaining 5 miscellaneous cases have been those referred by other social agencies or state Hospitals for investigation or for supervision.

The total number of interviews held during the year was as follows:

Interviews at hospital with patients' relatives or friends, 657.

Interviews with patients on the ward, 191.

Visits to patients outside the hospital, 105.

Visits to relatives or friends of patients, 333.

Visits to social agencies, 341.

Visits to other interested individuals (employers, neighbors, physicians, etc.,) 1,061.

Visits to homes in School Clinic work, 170.

Interviews at Neuropsychiatric Clinic, 205.

A total of 3,063.

In comparing the above figures with those of other years, it will be noted that there has been a steady increase in the number of cases handled by this department, and consequently in the total number of interviews held during the year, an increase of 207 over those of last year and 235 over those of two years ago.

We would like at this point to cite a case of a patient placed by this department at house work in a private family, which shows the economic value of social service to a State Hospital. This patient, a single woman of 42, was referred in October, 1929, for placement through this department, as she had no relatives or friends to take her from the hospital. Her diagnosis was dementia praecox, and she was not considered a very hopeful case. A place was found for her where she was to earn \$3.00 a week plus her maintenance, but after two months she was reported as not satisfactory. Her condition, however, was not considered such that she needed to be returned to the hospital and another place was found, where she got along better with the employer. Because of the family's own change of plans they could not keep her, and still another change was made. In this third family an adjustment has been made after much effort on the part of this department in teaching the employer to understand the patient's difficulties, as well as in working with the patient herself. The total cost of finding these three places of employment and of adjusting the patient in them through the 58 weeks from the date she left the hospital to November 27, 1930, has been \$83.49. This includes transportation, meals, telephone calls, and the salaries of three workers involved, estimated from their daily rates plus maintenance at a dollar a day. Had the patient remained in the hospital during these 58 weeks, the expense to the State (reckoned at the weekly average for the period, of \$7,805) would have been \$452.69. Thus in such a case the patient can enjoy the benefits of family and community life and in addition there is a saving to the State of \$369.20, while the patient has been earning \$3.00 a week, a still further saving to the community. Five such patients placed out for a year would mean, according to these figures, a saving of well over a thousand dollars to the State.

There have been again changes in the staff of the department during the year. Miss Rebecca Russakoff, who had been in training with us since the previous June, was promoted on January 1, 1930, to fill the existing vacancy in the position of assistant social worker. The Misses Amy Brooks and Helen Hudson, who had been in training as student internes, left during the summer to go to regular positions in social work with the United States Veterans' Bureau, and in their



places, we have secured the Misses Ruth Cabot and Rebecca Glasmann. Miss Cabot is a graduate of Bryn Mawr College and Miss Glasmann of Boston University. These students were placed with us by Miss Hannah Curtis, Director of Social Service of the Department of Mental Diseases in accordance with the established plan for the training of students in psychiatric social service.

#### ENTERTAINMENT

Moving pictures were shown weekly, a donation of a friend of the hospital. The organization of a hospital orchestra composed wholly of employees under the leadership of the Assistant Superintendent, Dr. Gaebler, has made possible weekly dances for both patients and employees. The music rendered has been of good quality and especially well suited to hospital functions.

Plays and entertainments were given by the Foxborough Visiting Nurses' Association, St. Mary's Club of Foxborough, the Auxillary of the Veterans of Foreign Wars, the American Legion Auxillary, and the Wrentham State School. The Weber Male Quartette of Boston rendered the special music on Christmas Eve. All programs were greatly enjoyed.

During the summer the patients had a baseball team and played games both at home and on the grounds of other State Hospitals.

The work of establishing a general library begun last year, has been continued and we now have several hundred volumes. Any contributions of duplicate or unused volumes would be greatly appreciated.

Radios have been placed in the general dining room and it is expected that they will be installed generally throughout the hospital in the near future.

We desire to express our appreciation of the interest taken by all the friends of the hospital living in the community as well as that shown by the employees in their endeavor to make more pleasant the lives of those entrusted to our care.

#### FARM AND GROUNDS

The crops this year were abundant and of fine quality. Further cultivation of the orchards resulted in a yield of unusual size and of excellent quality. Enough potatoes were harvested to meet the annual consumption of the institution. The milk production was increased by 1,495 lbs. per cow. The egg production per hen for the year was 150.72 and the amount of pork was in excess of the quota established.

Two teams of horses were purchased to replace others which had served the institution for many years, together with harnesses and wagons. This places the teaming equipment on a satisfactory basis. An addition of three cows was made from outside herds, to establish new blood lines for further improvement of our herd.

The head farmer was supplied with a Ford truck which enabled him to supervise his men more efficiently than in previous years.

The following is a detailed list of production: —

Milk, 302,932 lbs.; eggs, 5,405 doz.

Vegetables: — Garden produce, 378,156 lbs; potatoes, 3,800 bushels.

Fruit, 39,126 lbs.

Meat: — Pork, 35,608 lbs.; poultry, 4,863 lbs.; beef, 6,147½ lbs.

Hay, 7 tons; ensilage, 75 tons.

This amount of produce was sufficient to supply all immediate needs of the institution, with a surplus preserved for winter use.

The profit shown by the farm totaled \$13,740.06, a decided increase over last year and a most gratifying figure when it is realized that only 150 acres of land are available for farm use and of this only 60 acres can be cultivated for crops.

#### LAUNDRY

This department has continued to function well notwithstanding the fact that there is so little room, it still being necessary to use more than two-thirds of the second floor as sleeping quarters for male employees. The replacement of the old wooden floor with one of cement, the rearrangement of certain portions of the

equipment, and the addition of a new washing machine, have helped somewhat in relieving the difficulty under which the work is being performed.

### POWER HOUSE

The opening of a new pump room and engineer's office and the repainting of the interior of both new and old buildings, have improved the plant as regards both efficiency and appearance. However, there is still a good deal to be done before the plant will become a first class one.

### REPAIR DEPARTMENT

All branches of maintenance repairs were attended to under both "Repairs Ordinary" and "Repairs and Renewals." Among the more important things in addition to minor repairs we would mention the following: — The steam line from the power house was extended to the greenhouse. This means a saving in labor and a more satisfactory heating arrangement than the old one of a separate boiler. A section of cement road of same type as found on the State highways was laid from the storeroom platform to the garage. The roofs on all sun parlors between the buildings for women patients were renewed and a new slate roof was laid on the carpenter shop. The assembly hall was renovated, additional fire exits provided and a new procenium erected. Terrazo floors were laid in portions of several buildings. A barn at the Hersey Farm was lathed and plastered and fittings installed. Several wards were painted as well as the exterior of nearly all wooden buildings. New pieces of apparatus were installed in the pump room, carpenter shop and bakery. Two new vacuum pumps on the steam lines have added greatly to the efficiency of the heating system. A cement floor was laid in the laundry and some of the machinery was rearranged to provide more working space. Much of the excavating for new buildings and the digging of trenches for new steam, sewer and power lines was done by our own force.

### CONCLUSION

The Superintendent would take this opportunity of expressing his appreciation of the support and encouragement given him by the Board of Trustees and the valued assistance rendered by the personnel of the hospital.

Respectfully submitted,

RODERICK B. DEXTER,

*Superintendent.*

### VALUATION

November 30, 1930

REAL ESTATE

Land, 352.4 acres . . . . .	\$35,400.00
Buildings . . . . .	1,730,686.25

\$1,766,086.25

### PERSONAL PROPERTY

Travel, transportation and office expenses . . . . .	\$391.60
Food . . . . .	12,243.42
Clothing and materials . . . . .	14,713.53
Furnishings and household supplies . . . . .	156,618.34
Medical and general care . . . . .	31,153.82
Heat, light and power . . . . .	8,280.75
Farm . . . . .	28,762.33
Garage, stable and grounds . . . . .	9,646.87
Repairs . . . . .	15,014.32

\$276,824.98

### SUMMARY

Real estate . . . . .	\$1,766,086.25
Personal property . . . . .	276,824.98

\$2,042,911.23

### FINANCIAL REPORT

*To the Department of Mental Diseases:*

I respectfully submit the following report of the finances of this institution for the fiscal year ending November 30, 1930.

### CASH ACCOUNT Receipts

<i>Income:</i>	
Board of Patients . . . . .	\$57,817.88
	<u>\$57,817.88</u>

Personal Services:					
Reimbursement from Board of Retirement					134.15
Sales:					
Food				1,853.46	
Clothing and materials				89.78	
Furnishings and household supplies				62.79	
Medical and general care				44.58	
Heat, light and power				3.60	
Farm:					
Cows and calves				142.50	
Pigs, hogs and boar				50.00	
Hides				29.47	
Sundries				9.35	
Garage, stable and grounds				1.00	
Repairs, ordinary				58.60	
Total sales					\$2,345.13
Miscellaneous:					
Interest on bank balances				\$357.80	
Rent				531.23	
					889.03
N. E. Tel. & Tel. Co.					35.98
X-rays					108.50
Total, Income					\$61,331.03
Balance from previous year, brought forward					\$7,986.63
Appropriations, current year					429,300.00
Deficiency					470.00
Total					\$437,756.63
Expenses (as analyzed below)					406,652.82
Balance reverting to Treasury of Commonwealth					\$31,103.81
					<i>Analysis of Expenses</i>
Personal services					\$204,268.69
Religious instruction					1,539.00
Travel, transportation and office expenses					6,168.89
Food					69,377.22
Clothing and materials					13,253.88
Furnishings and household supplies					22,170.89
Medical and general care					16,133.31
Heat, light and power					30,702.96
Farm					21,666.22
Garage, stable and grounds					4,172.34
Repairs ordinary					9,370.23
Repairs and renewals					7,829.19
Total expenses for Maintenance					\$406,652.82
Balance December 1, 1929					\$141,176.58
Appropriations for current year					246,000.00
Total					\$387,176.58
Expended during the year (see statement below)				\$104,017.24	
Reverting to Treasury of Commonwealth				234.96	
					104,252.20
Balance November 30, 1930, carried to next year					\$282,924.38

OBJECT	Act or Resolve	Whole Amount	Expended during Fiscal Year	Total Expended to Date	Balance at End of Year
Renovation of Wards C and D	1927-1928	\$25,000.00	\$13,667.47	\$24,887.89	\$112.11*
Alteration to boiler house	1928	18,000.00	9,052.23	17,877.15	122.85*
Employees' bldg. and nurses' home	1929-1930	192,500.00	79,089.97	79,089.97	113,410.03
Salvage yard	1929	3,000.00	1,104.46	1,104.46	1,895.54
Officer's cottage	1929	6,000.00	1,103.11	1,881.19	4,118.81
Power equipment	1929	9,000.00	—	—	9,000.00
Furnishings officer's cottage	1930	1,500.00	—	—	1,500.00
Furnishings employees' bldg	1930	11,000.00	—	—	11,000.00
Buildings farm colony	1930	105,000.00	—	—	105,000.00
Paint shop	1930	2,000.00	—	—	2,000.00
Verandas, female ward bldgs.	1930	35,000.00	—	—	35,000.00
		\$408,000.00	\$104,017.24	\$124,840.66	\$283,159.34

Balance reverting to Treasury of the Commonwealth during year (mark item with *)	\$234.96
Balance carried to next year	282,924.38
Total as above	\$283,159.34

## PER CAPITA

During the year the average number of inmates has been, 1,001.262.  
 Total cost of maintenance, \$406,652.82.  
 Equal to a weekly per capita cost of \$7.7889.  
 Receipt from sales, \$2,345.13.  
 Equal to a weekly per capita of \$.0449.  
 All other institution receipts, \$58,985.90.  
 Equal to a weekly per capita of \$1.1315.  
 Net weekly per capita \$6.6142.

Respectfully submitted,  
 HARRIETT S. BAYLEY,  
*Treasurer.*

TABLE 1. General Information

Data correct at end of hospital year, November 30, 1930

1. Date of opening as a hospital for mental diseases, June 1, 1914.

2. Type of hospital: State.

3. Hospital plant:

Value of hospital property, real estate, including buildings . . . \$1,766,086.25  
 Personal property . . . 276,824.98

Total . . . \$2,012,911.23  
 Total acreage of hospital property owned, 352.4.  
 Additional acreage rented, 8.

Total acreage under cultivation during previous year, 66½.

4. Officers and employees:

	Actually in Service at End of Year			Vacancies at End of Year		
	M.	F.	T.	M.	F.	T.
Superintendents . . . . .	1	—	1	—	—	—
Assistant physicians . . . . .	4	2	6	—	—	—
Total physicians . . . . .	5	2	7	—	—	—
Stewards . . . . .	1	—	1	—	—	—
Pharmacists . . . . .	—	1	1	—	—	—
Graduate nurses . . . . .	1	10	11	—	2	2
Other nurses and attendants . . . . .	48	41	89	—	5	5
Occupational therapists . . . . .	—	1	1	—	2	2
Social workers . . . . .	—	2	2	—	—	—
All other officers and employees . . . . .	51	44	95	—	1	1
Total officers and employees . . . . .	106	101	207	—	10	10

NOTE:—The following items, 5-10 inclusive are for the year ended September 30, 1930.

5. Census of patient population at end of year:

	Actually in Hospital			Absent from Hospital but Still on Books		
	M.	F.	T.	M.	F.	T.
White:						
Insane . . . . .	435	514	949	73	49	122
Mental defectives . . . . .	11	8	19	1	—	1
All other cases . . . . .	7	3	10	5	5	10
Total . . . . .	453	525	978	79	54	133
Other races:						
Insane . . . . .	22	22	44	4	—	4
Total . . . . .	22	22	44	4	—	4
Grand Total . . . . .	475	547	1022	83	54	137
			Males		Females	Total

6. Patients under treatment in occupational-therapy classes, including physical training, on date of report . . . 17 55 72  
 7. Other patients employed in general work of hospital on date of report . . . 270.733 199.900 470.633  
 8. Average daily number of all patients actually in hospital during year . . . 468.006 528.656 996.662  
 9. Voluntary patients admitted during year . . . 1 3 4  
 10. Persons given advice or treatment in out-patient clinics during year . . . 93 104 197

TABLE 2. Financial Statement

See Treasurer's report for data requested under this Table.



TABLE 3. *Movement of Patient Population*

	Regular Court Commitment (Insane)		Voluntary	Temporary Care	Observation <sup>1</sup>	Total on books	
	M. F.	T.	M. F.	T.	M. F.	T.	T.
Patients on books of Institution September 30, 1929	536	556	1,092	2	1	3	1,098
Admissions during year							
First Admissions	83	85	168	—	1	1	186
Readmissions	12	22	34	1	2	3	43
Transfers from other hospitals for mental diseases.	2	8	10	—	—	—	10
Total received during year	97	115	212	1	3	4	239
Total on books during year	633	671	1,304	3	4	7	1,337
Discharged from books during year:							
As recovered	1	1	2	—	1	1	9
As improved	23	27	50	—	1	1	54
As unimproved	7	4	11	1	1	1	13
As without psychosis	—	—	—	1	2	3	12
Transferred to other hospitals for mental diseases	14	5	19	—	—	—	19
Died during year	34	35	69	—	1	1	71
Total discharged, transferred and died during year	79	72	151	2	3	5	178
Insane patients remaining on books of hospital at end of hospital year:							
In hospital	473	545	1,018	1	1	2	1,022
On parole or otherwise absent	82	54	136	—	—	—	137
Total	555	599	1,154	1	1	2	1,159

<sup>1</sup>Owing to the change in legal status during the last statistical year of one male patient from Obs. 100 (Apr. 24, 1928) to R. C. 51 (Oct. 25, 1929), the number of observation cases remaining on Sept. 30, 1930, will be one less in number, while the number on Regular Court Commitment will be increased by one.



TABLE 4. *Nativity of First Admissions and Parents of First Admissions*

NATIVITY	PATIENTS			PARENTS OF MALE PATIENTS			PARENTS OF FEMALE PATIENTS		
	M.	F.	T.	Fathers	Mothers	Both Parents	Fathers	Mothers	Both Parents
United States . . . . .	48	46	94	28	26	23	26	29	24
Austria . . . . .	—	—	—	2	2	2	—	—	—
Canada <sup>1</sup> . . . . .	7	9	16	6	10	5	13	12	11
China . . . . .	2	—	2	2	2	2	—	—	—
Denmark . . . . .	1	—	1	1	1	1	—	—	—
England . . . . .	4	4	8	4	6	2	6	6	6
France . . . . .	1	—	1	1	1	1	—	—	—
Germany . . . . .	—	2	2	1	1	1	2	2	2
Greece . . . . .	—	1	1	—	—	—	1	—	1
Holland . . . . .	1	—	1	1	1	1	—	—	—
Ireland . . . . .	3	8	11	13	11	10	11	13	13
Italy . . . . .	2	2	4	3	3	3	2	2	2
Jugoslavia . . . . .	1	—	1	—	—	—	—	—	—
Philippine Islands . . . . .	—	—	—	1	—	—	—	—	—
Poland . . . . .	2	—	2	2	2	2	—	—	—
Portugal . . . . .	2	—	2	2	2	2	—	1	—
Russia . . . . .	4	8	12	7	6	6	11	10	10
Scotland . . . . .	1	2	3	—	1	—	3	2	2
Sweden . . . . .	2	1	3	4	4	4	1	1	1
Turkey in Europe . . . . .	—	—	—	1	—	—	—	—	—
West Indies <sup>2</sup> . . . . .	1	1	2	1	1	1	1	1	1
Other countries . . . . .	—	1	1	—	—	—	1	1	1
Unascertained . . . . .	1	—	1	3	3	3	4	5	4
Total . . . . .	83	85	168	83	83	69	85	85	78

<sup>1</sup>Includes Newfoundland<sup>2</sup>Except Cuba and Porto Rico.

TABLE 4-A. Age of First Admissions Classified with Reference to Nativity, and Length of Residence in the United State of the Foreign Born.

AGE GROUPS	Aggregate	NATIVE BORN						FOREIGN BORN						Nativity unascertained
		PARENTAGE					Total	TIME IN UNITED STATES BEFORE ADMISSION						
		Native		Foreign	Mixed	Unascertained		Under 5 years	5-9 years	10-14 years	15 years and over			
		M. F. T.	M. F. T.											
Under 15 years	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.
15-19 years	1 1 2	1 1 2	1 1 2	1 1 2	1 1 2	1 1 2	1 1 2	1 1 2	1 1 2	1 1 2	1 1 2	1 1 2	1 1 2	1 1 2
20-24 years	1 3 4	1 3 4	1 3 4	1 3 4	1 3 4	1 3 4	1 3 4	1 3 4	1 3 4	1 3 4	1 3 4	1 3 4	1 3 4	1 3 4
25-29 years	7 6 13	4 5 9	2 2 4	2 2 4	2 2 4	2 2 4	2 2 4	2 2 4	2 2 4	2 2 4	2 2 4	2 2 4	2 2 4	2 2 4
30-34 years	12 3 15	8 1 9	3 2 1	3 2 1	3 2 1	3 2 1	3 2 1	3 2 1	3 2 1	3 2 1	3 2 1	3 2 1	3 2 1	3 2 1
35-39 years	4 6 10	2 1 3	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1
40-44 years	10 8 18	4 3 7	2 2 5	2 2 5	2 2 5	2 2 5	2 2 5	2 2 5	2 2 5	2 2 5	2 2 5	2 2 5	2 2 5	2 2 5
45-49 years	9 5 14	6 2 8	3 2 2	3 2 2	3 2 2	3 2 2	3 2 2	3 2 2	3 2 2	3 2 2	3 2 2	3 2 2	3 2 2	3 2 2
50-54 years	10 13 23	5 8 13	2 5 7	2 5 7	2 5 7	2 5 7	2 5 7	2 5 7	2 5 7	2 5 7	2 5 7	2 5 7	2 5 7	2 5 7
55-59 years	6 3 9	3 4 7	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1
60-64 years	3 3 6	3 3 6	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1
65-69 years	4 7 11	3 5 8	1 4 5	1 4 5	1 4 5	1 4 5	1 4 5	1 4 5	1 4 5	1 4 5	1 4 5	1 4 5	1 4 5	1 4 5
70 years and over	8 3 11	5 1 6	4 1 5	4 1 5	4 1 5	4 1 5	4 1 5	4 1 5	4 1 5	4 1 5	4 1 5	4 1 5	4 1 5	4 1 5
Total	83 85 168	48 46 94	23 24 47	13 12 25	10 8 18	2 2 4	2 2 4	2 2 4	2 2 4	2 2 4	2 2 4	2 2 4	2 2 4	2 2 4

TABLE 5. *Citizenship of First Admissions*

	M.	F.	T.
Citizens by birth . . . . .	48	46	94
Citizens by naturalization . . . . .	12	19	31
Aliens . . . . .	20	18	38
Citizenship unascertained . . . . .	3	2	5
Total . . . . .	83	85	168

TABLE 6. *Psychoses of First Admissions*

PSYCHOSES	M.	F.	T.	M.	F.	T.
1. Traumatic psychoses . . . . .				5	14	19
2. Senile psychoses . . . . .				10	13	23
3. Psychoses with cerebral arteriosclerosis . . . . .				6	4	10
4. General paralysis . . . . .				3	—	3
5. Psychoses with cerebral syphilis . . . . .				—	—	—
6. Psychoses with Huntington's chorea . . . . .				—	—	—
7. Psychoses with brain tumor . . . . .				5	3	8
8. Psychoses with other brain or nervous diseases, total . . . . .	1	—	1			
Cerebral embolism . . . . .	—	1	1			
Tabes dorsalis . . . . .	4	2	6			
Other diseases . . . . .				8	2	10
9. Alcoholic psychoses, total . . . . .	1	—	1			
Acute hallucinosis . . . . .	7	2	9			
Other types, acute or chronic . . . . .				—	—	—
10. Psychoses due to drugs and other exogenous toxins, total . . . . .				—	1	1
11. Psychoses with pellagra . . . . .				—	—	—
12. Psychoses with other somatic diseases, total . . . . .	—	1	1	13	10	23
Other diseases or conditions . . . . .						
13. Manic-depressive psychoses, total . . . . .	6	4	10			
Manic type . . . . .	7	5	12			
Depressive type . . . . .	—	1	1	1	4	5
Other types . . . . .				23	26	49
14. Involution melancholia . . . . .				—	1	1
15. Dementia praecox (schizophrenia) . . . . .				1	2	3
16. Paranoia and paranoid conditions . . . . .				2	3	4
17. Epileptic psychoses . . . . .						
18. Psychoneuroses and neuroses, total . . . . .	1	—	1			
Psychasthenic type (anxiety and obsessive forms) . . . . .	1	2	3			
Other types . . . . .				—	2	2
19. Psychoses with psychopathic personality . . . . .				3	1	4
20. Psychoses with mental deficiency . . . . .				2	—	2
21. Undiagnosed psychoses . . . . .				1	—	1
22. Without psychosis, total . . . . .	1	—	1			
Mental deficiency without psychosis . . . . .						
Total . . . . .				83	85	168

TABLE 7. *Race of First Admissions Classified with Reference to Principal Psychoses*

RACE	Total			Senile			With cerebral arterio-sclerosis			General paralysis			With cerebral syphilis			With other brain or nervous diseases		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	4	1	5	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—
Armenian	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Chinese	2	—	2	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—
Dutch and Flemish	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
English	24	27	51	1	7	8	6	5	11	2	2	4	1	—	1	4	—	4
French	2	5	7	—	—	—	—	1	1	—	1	1	—	—	—	—	—	—
German	1	3	4	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
Greek	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hebrew	8	7	15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Irish	19	19	38	3	2	5	2	3	5	3	1	4	—	—	—	1	1	2
Italian <sup>1</sup>	2	2	4	—	—	—	1	—	1	—	—	—	—	—	—	—	1	1
Lithuanian	1	3	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Portuguese	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Scandinavian <sup>2</sup>	6	1	7	—	—	—	—	1	1	1	—	1	—	—	—	—	—	—
Scotch	1	2	3	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
Slavonic <sup>3</sup>	3	2	5	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
Syrian	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mixed	4	3	7	—	1	1	—	—	—	—	—	—	—	—	—	—	1	1
Race unascertained	4	7	11	1	1	2	1	3	4	—	—	—	—	—	—	—	—	—
Total	83	85	168	5	14	19	10	13	23	6	4	10	3	—	3	5	3	8

TABLE 7. *Race of First Admissions Classified with Reference to Principal Psychoses — Continued*

RACE	Alcoholic			With other somatic diseases			Manic-depressive			Involution melancholia			Dementia praecox			Paranoia and paranoid conditions		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	1	—	1	—	—	—	—	—	—	—	—	—	2	1	3	—	—	—
Armenian	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—
Chinese	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—
Dutch and Flemish	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—
English	2	—	2	—	1	1	4	5	9	—	2	2	2	3	5	—	—	—
French	—	1	1	—	—	—	—	—	—	—	—	—	1	2	3	—	—	—
German	—	—	—	—	—	—	—	2	2	—	—	—	1	—	1	—	—	—
Greek	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—
Hebrew	—	—	—	—	—	—	4	—	4	1	1	2	2	4	6	—	—	—
Irish	3	1	4	—	—	—	2	2	4	—	—	—	4	7	11	—	—	—
Italian <sup>1</sup>	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—
Lithuanian	—	—	—	—	—	—	—	—	—	—	—	—	1	3	4	—	—	—
Portuguese	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—
Scandinavian <sup>2</sup>	—	—	—	—	—	—	—	—	—	—	—	—	5	—	5	—	—	—
Scotch	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—
Slavonic <sup>3</sup>	1	—	1	—	—	—	—	—	—	—	—	—	1	1	2	—	—	—
Syrian	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—
Mixed	1	—	1	—	—	—	—	—	—	—	—	—	2	—	2	—	—	—
Race unascertained	—	—	—	—	—	—	1	—	1	—	—	—	1	2	3	—	1	1
Total	8	2	10	—	1	1	13	10	23	1	4	5	23	26	49	—	1	1

<sup>1</sup>Includes "North" and "South."<sup>2</sup>Norwegians, Danes and Swedes.<sup>3</sup>Includes Bohemian, Bosnian, Croatian, Dalmatian, Herzegovinian, Montenegrin, Moravian, Polish, Russian, Ruthenian, Servian, Slovak, Slovenian.

TABLE 7. *Race of First Admissions Classified with Reference to Principal Psychoses — Concluded*

RACE	Epileptic psychoses			Psycho-neuroses and neuroses			With psychopathic personality			With mental deficiency			Undiagnosed psychoses			Without psychosis		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Armenian	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dutch and Flemish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
English	-	1	1	1	1	2	-	-	-	1	-	1	-	-	-	-	-	-
French	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
German	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Greek	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hebrew	1	-	1	-	1	1	-	-	-	1	1	1	-	-	-	-	-	-
Irish	-	1	1	-	-	-	-	1	1	1	-	1	-	-	-	-	-	-
Italian <sup>1</sup>	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	1	-	1
Lithuanian	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portuguese	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scandinavian <sup>2</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scotch	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
Slavonic <sup>3</sup>	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
Syrian	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mixed	-	-	-	1	-	1	-	1	1	-	-	-	-	-	-	-	-	-
Race unascertained	-	-	-	1	-	1	-	1	1	-	-	-	-	-	-	-	-	-
Total	1	2	3	2	2	4	-	2	2	3	1	4	2	-	2	1	-	1

<sup>1</sup>Includes "North" and "South."<sup>2</sup>Norwegians, Danes and Swedes.<sup>3</sup>Includes Bohemian, Bosnian, Croatian, Dalmatian, Herzegovinian, Montenegrin, Moravian, Polish, Russian, Ruthenian, Servian, Slovak, Slovenian.TABLE 8. *Age of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			Under 15 years	15-19 years	20-24 years
1. Traumatic	-	-	-	-	-	-
2. Senile	5	14	19	-	-	-
3. With cerebral arteriosclerosis	10	13	23	-	-	-
4. General paralysis	6	4	10	-	-	-
5. With cerebral syphilis	3	-	3	-	-	1
6. With Huntington's chorea	-	-	-	-	-	-
7. With brain tumor	-	-	-	-	-	-
8. With other brain or nervous diseases	5	3	8	-	-	-
9. Alcoholic	8	2	10	-	-	-
10. Due to drugs and other exogenous toxins	-	-	-	-	-	-
11. With pellagra	-	-	1	-	-	-
12. With other somatic diseases	-	1	1	-	-	-
13. Manic-depressive	13	10	23	-	1	2
14. Involution melancholia	1	4	5	-	-	-
15. Dementia praecox	23	26	49	-	1	4
16. Paranoia and paranoid conditions	-	1	1	-	-	-
17. Epileptic psychoses	1	2	3	-	1	-
18. Psychoneuroses and neuroses	2	2	4	-	-	-
19. With psychopathic personality	-	2	2	-	-	1
20. With mental deficiency	3	1	4	1	1	-
21. Undiagnosed psychoses	2	-	2	-	-	-
22. With psychosis	1	-	1	-	-	-
Total	83	85	168	1	3	7



TABLE 8. *Age of First Admissions Classified with Reference to Principal Psychoses — Continued*

PSYCHOSES	25-29 years			30-34 years			35-39 years			40-44 years			45-49 years		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2. Senile . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3. With cerebral arteriosclerosis . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
4. General paralysis . . . . .	1	-	1	1	2	3	-	1	1	-	1	1	1	-	1
5. With cerebral syphilis . . . . .	1	-	1	-	-	-	1	-	1	-	-	-	-	-	-
6. With Huntington's chorea . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases . . . . .	-	-	-	-	-	-	-	1	1	1	-	1	1	1	2
9. Alcoholic . . . . .	1	-	1	-	-	-	2	-	2	2	-	2	1	-	1
10. Due to drugs and other exogenous toxins . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13. Manic-depressive . . . . .	3	-	3	-	2	2	1	-	1	3	-	3	2	4	6
14. Involution melancholia . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2
15. Dementia praecox . . . . .	6	2	8	1	2	3	4	5	9	2	4	6	2	5	7
16. Paranoia and paranoid conditions . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
17. Epileptic psychoses . . . . .	-	-	-	-	-	-	1	1	2	-	-	-	-	-	-
18. Psychoneuroses and neuroses . . . . .	-	1	1	1	-	1	-	-	-	1	-	1	-	-	-
19. With psychopathic personality . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20. With mental deficiency . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
21. Undiagnosed psychoses . . . . .	-	-	-	1	-	1	1	-	1	-	-	-	1	-	1
22. Without psychosis . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total . . . . .	12	3	15	4	6	10	10	8	18	9	5	14	10	13	23

TABLE 8. *Age of First Admissions Classified with Reference to Principal Psychoses — Concluded*

PSYCHOSES	50-54 years			55-59 years			60-64 years			65-69 years			70 years and over		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2. Senile . . . . .	-	-	-	-	1	1	-	-	-	3	1	4	2	12	14
3. With cerebral arteriosclerosis . . . . .	1	1	2	-	-	-	1	3	4	2	-	2	6	8	14
4. General paralysis . . . . .	-	-	-	1	-	1	1	-	1	1	-	1	-	-	-
5. With cerebral syphilis . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6. With Huntington's chorea . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases . . . . .	-	-	-	1	-	1	2	1	3	-	-	-	-	-	-
9. Alcoholic . . . . .	1	1	2	-	-	-	-	-	-	1	1	2	-	-	-
10. Due to drugs and other exogenous toxins . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases . . . . .	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-
13. Manic-depressive . . . . .	-	1	1	1	-	1	-	1	1	1	-	1	-	-	-
14. Involution melancholia . . . . .	-	2	2	-	-	-	1	1	-	-	-	-	-	-	-
15. Dementia praecox . . . . .	4	2	6	-	1	1	-	-	-	-	-	-	-	-	-
16. Paranoia and paranoid conditions . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17. Epileptic psychoses . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18. Psychoneuroses and neuroses . . . . .	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-
19. With psychopathic personality . . . . .	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
20. With mental deficiency . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21. Undiagnosed psychoses . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22. Without psychosis . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total . . . . .	6	7	13	3	3	6	4	7	11	8	3	11	8	20	28

TABLE 9. Degree of Education of First Admissions Classified with Reference to Principal Psychoses

Psychoses	Total			Illiterate			Reads and writes <sup>1</sup>			Common School			High School			College			Unascertained			
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	
1. Traumatic	5	14	19	-	-	-	-	1	1	-	4	8	12	-	-	-	1	1	1	1	2	3
2. Senile	10	13	23	-	-	-	-	-	-	-	6	8	14	1	3	4	1	1	1	1	2	3
3. With cerebral arteriosclerosis	6	4	10	1	-	1	-	1	-	1	4	3	7	1	1	2	-	-	-	-	-	-
4. General paralysis	3	-	3	-	-	-	-	-	-	-	1	1	1	-	1	-	-	-	-	-	-	-
5. With cerebral syphilis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
6. With Huntington's chorea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
7. With brain tumor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
8. With other brain or nervous diseases	5	3	8	1	-	1	1	2	3	-	2	2	4	1	5	-	-	-	-	-	-	
9. Alcoholic	8	2	10	1	1	1	3	-	-	-	4	1	5	-	-	-	-	-	-	1	1	
10. Due to drugs and other exogenous toxins	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
11. With pellagra	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
12. With other somatic diseases	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
13. Manic-depressive	13	10	23	-	-	-	-	-	-	-	7	5	12	3	5	8	1	1	1	2	2	
14. Involution melancholia	1	4	5	-	-	-	-	-	-	-	1	2	3	-	-	-	-	1	2	2	2	
15. Dementia praecox	23	26	49	1	5	6	2	2	2	2	14	14	28	6	3	9	2	1	3	-	1	
16. Paranoia and paranoid conditions	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	
17. Epileptic psychoses	1	2	3	-	-	-	-	-	-	-	1	1	2	3	1	1	-	-	-	-	-	
18. Psychoneuroses and neuroses	2	2	4	-	-	-	-	-	-	-	1	2	3	1	1	1	-	-	-	-	-	
19. With psychopathic personality	2	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	-	-	
20. With mental deficiency	3	1	4	1	-	1	1	1	1	1	2	2	2	-	-	-	-	-	-	-	-	
21. Undiagnosed psychoses	2	-	2	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	
22. Without psychosis	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	
Total	83	85	168	4	6	10	6	5	11	-	49	44	93	14	20	34	4	3	7	6	7	13

<sup>1</sup>Includes those who did not complete fourth grade in school.

TABLE 10. *Environment of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			Urban			Rural		
	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic . . . . .	—	—	—	—	—	—	—	—	—
2. Senile . . . . .	5	14	19	5	14	19	—	—	—
3. With cerebral arteriosclerosis . . . . .	10	13	23	10	13	23	—	—	—
4. General paralysis . . . . .	6	4	10	6	4	10	—	—	—
5. With cerebral syphilis . . . . .	3	—	3	3	—	3	—	—	—
6. With Huntington's chorea . . . . .	—	—	—	—	—	—	—	—	—
7. With brain tumor . . . . .	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases . . . . .	5	3	8	5	2	7	—	1	1
9. Alcoholic . . . . .	8	2	10	8	2	10	—	—	—
10. Due to drugs and other exogenous toxins . . . . .	—	—	—	—	—	—	—	—	—
11. With pellagra . . . . .	—	1	1	—	1	1	—	—	—
12. With other somatic diseases . . . . .	—	—	—	—	—	—	—	—	—
13. Manic-depressive . . . . .	13	10	23	13	10	23	—	—	—
14. Involution melancholia . . . . .	1	4	5	1	3	4	—	1	1
15. Dementia praecox . . . . .	23	26	49	23	25	48	—	1	1
16. Paranoia and paranoid conditions . . . . .	—	1	1	—	1	1	—	—	—
17. Epileptic psychoses . . . . .	1	2	3	1	2	3	—	—	—
18. Psychoneuroses and neuroses . . . . .	2	2	4	2	2	4	—	—	—
19. With psychopathic personality . . . . .	—	2	2	—	2	2	—	—	—
20. With mental deficiency . . . . .	3	1	4	3	1	4	—	—	—
21. Undiagnosed psychoses . . . . .	2	—	2	2	—	2	—	—	—
22. Without psychosis . . . . .	1	—	1	1	—	1	—	—	—
Total . . . . .	83	85	168	83	82	165	—	3	3

TABLE 11. *Economic Condition of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			Dependent			Marginal			Comfortable			Unascertained		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile . . . . .	5	14	19	1	5	6	1	5	6	2	2	4	1	2	3
3. With cerebral arteriosclerosis . . . . .	10	13	23	2	4	6	5	5	10	2	3	5	1	1	2
4. General paralysis . . . . .	6	4	10	1	—	1	5	3	8	—	1	1	—	—	—
5. With cerebral syphilis . . . . .	3	—	3	—	—	—	3	—	3	—	—	—	—	—	—
6. With Huntington's chorea . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases . . . . .	5	3	8	2	1	3	1	1	2	2	1	3	—	—	—
9. Alcoholic . . . . .	8	2	10	1	—	1	6	1	7	1	1	2	—	—	—
10. Due to drugs and other exogenous toxins . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases . . . . .	—	1	1	—	—	—	—	—	—	—	1	1	—	—	—
13. Manic-depressive . . . . .	13	10	23	—	1	1	11	7	18	1	2	3	1	—	1
14. Involution melancholia . . . . .	1	4	5	—	—	—	—	1	1	1	3	4	—	—	—
15. Dementia praecox . . . . .	23	26	49	5	2	7	17	19	36	1	5	6	—	—	—
16. Paranoia and paranoid condition . . . . .	—	1	1	—	—	—	—	1	1	—	—	—	—	—	—
17. Epileptic psychoses . . . . .	1	2	3	—	—	—	1	1	2	—	1	1	—	—	—
18. Psychoneuroses and neuroses . . . . .	2	2	4	1	—	1	1	—	1	—	2	2	—	—	—
19. With psychopathic personality . . . . .	—	2	2	—	—	—	—	2	2	—	—	—	—	—	—
20. With mental deficiency . . . . .	3	1	4	2	1	3	1	—	1	—	—	—	—	—	—
21. Undiagnosed psychoses . . . . .	2	—	2	—	—	—	2	—	2	—	—	—	—	—	—
22. Without psychosis . . . . .	1	—	1	1	—	1	—	—	—	—	—	—	—	—	—
Total . . . . .	83	85	168	16	14	30	54	46	100	10	22	32	3	3	6

TABLE 12. *Use of Alcohol by First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			Abstinent			Temperate			Intemperate			Unascertained		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile. . . . .	5	14	19	3	8	11	—	3	3	—	—	—	2	3	5
3. With cerebral arteriosclerosis . . . . .	10	13	23	4	8	12	3	2	5	1	—	1	2	3	5
4. General paralysis . . . . .	6	4	10	—	2	2	1	2	3	5	—	5	—	—	—
5. With cerebral syphilis . . . . .	3	—	3	1	—	1	2	—	2	—	—	—	—	—	—
6. With Huntington's chorea . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases . . . . .	5	3	8	4	2	6	1	1	2	—	—	—	—	—	—
9. Alcoholic . . . . .	8	2	10	—	—	—	—	—	—	8	2	10	—	—	—
10. Due to drugs and other exogenous toxins . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases . . . . .	—	1	1	—	1	1	—	—	—	—	—	—	—	—	—
13. Manic-depressive . . . . .	13	10	23	7	9	16	3	1	4	2	—	2	1	—	1
14. Involution melancholia . . . . .	1	4	5	1	2	3	—	1	1	—	—	—	—	1	1
15. Dementia praecox . . . . .	23	26	49	10	21	31	8	3	11	3	1	4	2	1	3
16. Paranoia and paranoid conditions . . . . .	—	1	1	—	1	1	—	—	—	—	—	—	—	—	—
17. Epileptic psychoses . . . . .	1	2	3	1	2	3	—	—	—	—	—	—	—	—	—
18. Psychoneuroses and neuroses . . . . .	2	2	4	1	2	3	—	—	—	1	—	1	—	—	—
19. With psychopathic personality . . . . .	—	2	2	—	—	—	—	1	1	—	—	—	—	1	1
20. With mental deficiency . . . . .	3	1	4	3	1	4	—	—	—	—	—	—	—	—	—
21. Undiagnosed psychoses . . . . .	2	—	2	1	—	1	1	—	1	—	—	—	—	—	—
22. Without psychosis . . . . .	1	—	1	1	—	1	—	—	—	—	—	—	—	—	—
Total . . . . .	83	85	168	37	59	96	19	14	33	20	3	23	7	9	16

TABLE 13. *Marital Condition of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total		Single		Married		Widowed		Separated		Divorced	
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic . . . . .	1	5	6	1	2	3	1	1	2	1	1	2
2. Senile . . . . .	1	14	15	1	2	3	1	10	11	1	1	2
3. With cerebral arteriosclerosis . . . . .	10	13	23	2	4	6	3	3	6	1	1	2
4. General paralysis . . . . .	6	4	10	1	1	2	2	5	8	1	1	2
5. With cerebral syphilis . . . . .	3	—	3	1	1	2	—	—	—	—	—	—
6. With Huntington's chorea . . . . .	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor . . . . .	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases . . . . .	5	3	8	2	2	4	3	1	4	—	—	—
9. Alcoholic . . . . .	8	2	10	2	2	4	5	1	6	—	—	—
10. Due to drugs and other exogenous toxins . . . . .	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra . . . . .	—	1	1	—	1	1	—	—	—	—	—	—
12. With other somatic diseases . . . . .	13	10	23	6	6	12	5	1	2	3	1	4
13. Manic-depressive . . . . .	1	4	5	1	—	1	3	3	1	—	—	—
14. Involution melancholia . . . . .	23	20	43	18	11	29	4	14	18	1	1	2
15. Dementia praecox . . . . .	1	1	2	—	2	2	1	1	1	—	—	—
16. Paranoia and paranoid conditions . . . . .	1	2	3	—	2	2	1	1	1	—	—	—
17. Epileptic psychoses . . . . .	2	2	4	2	—	2	—	—	—	—	—	—
18. Psychoneuroses and neuroses . . . . .	—	2	2	—	—	—	—	—	—	—	—	—
19. With psychopathic personality . . . . .	3	1	4	3	1	4	—	—	1	1	—	—
20. With mental deficiency . . . . .	2	2	4	—	—	—	—	—	—	—	—	—
21. Undiagnosed psychoses . . . . .	—	—	—	—	—	—	—	—	—	—	—	—
22. Without psychosis . . . . .	1	1	2	1	—	1	—	—	—	—	—	—
Total . . . . .	83	85	168	41	30	71	32	32	64	1	1	2
							8	19	27	1	3	4



TABLE 14. *Psychoses of Readmissions*

PSYCHOSES	M.	F.	T.
1. Traumatic psychoses . . . . .	—	—	—
2. Senile psychoses . . . . .	—	—	—
3. Psychoses with cerebral arteriosclerosis . . . . .	—	—	—
4. General paralysis . . . . .	1	—	1
5. Psychoses with cerebral syphilis . . . . .	—	—	—
6. Psychoses with Huntington's chorea . . . . .	—	—	—
7. Psychoses with brain tumor . . . . .	—	—	—
8. Psychoses with other brain or nervous diseases . . . . .	—	—	—
9. Alcoholic psychoses . . . . .	—	—	—
10. Psychoses due to drugs and other exogenous toxins . . . . .	—	—	—
11. Psychoses with pellagra . . . . .	—	—	—
12. Psychoses with other somatic diseases . . . . .	—	1	1
13. Manic-depressive psychoses . . . . .	3	5	8
14. Involution melancholia . . . . .	—	1	1
15. Dementia praecox . . . . .	2	10	12
16. Paranoia and paranoid conditions . . . . .	1	—	1
17. Epileptic psychoses . . . . .	—	—	—
18. Psychoneuroses and neuroses . . . . .	—	1	1
19. Psychoses with psychopathic personality . . . . .	—	1	1
20. Psychoses with mental deficiency . . . . .	1	2	3
21. Undiagnosed psychoses . . . . .	4	1	5
22. Without psychosis . . . . .	—	—	—
Total . . . . .	12	22	34

TABLE 15. *Discharge of Patients Classified with Reference to Principal Psychoses and Condition of Discharge*

PSYCHOSES	Total			Recovered			Improved			Unimproved		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic . . . . .	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile . . . . .	1	—	1	—	—	—	1	—	1	—	—	—
3. With cerebral arteriosclerosis . . . . .	2	—	2	—	—	—	1	—	1	1	—	1
4. General paralysis . . . . .	2	1	3	—	—	—	2	1	3	—	—	—
5. With cerebral syphilis . . . . .	1	2	3	—	—	—	1	2	3	—	—	—
6. With Huntington's chorea . . . . .	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor . . . . .	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases . . . . .	—	3	3	—	—	—	—	3	3	—	—	—
9. Alcoholic . . . . .	4	1	5	—	—	—	3	1	4	1	—	1
10. Due to drugs and other exogenous toxins . . . . .	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra . . . . .	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases . . . . .	—	—	—	—	—	—	—	—	—	—	—	—
13. Manic-depressive . . . . .	8	12	20	1	1	2	6	10	16	1	1	2
14. Involution melancholia . . . . .	1	3	4	—	—	—	1	2	3	—	1	1
15. Dementia praecox . . . . .	8	5	13	—	—	—	5	3	8	3	2	5
16. Paranoia and paranoid conditions . . . . .	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic psychoses . . . . .	—	—	—	—	—	—	—	—	—	—	—	—
18. Psychoneuroses and neuroses . . . . .	1	4	5	—	—	—	1	4	5	—	—	—
19. With psychopathic personality . . . . .	1	—	1	—	—	—	1	—	1	—	—	—
20. With mental deficiency . . . . .	1	—	1	—	—	—	1	—	1	—	—	—
21. Undiagnosed psychoses . . . . .	1	1	2	—	—	—	—	1	1	1	—	1
22. Without psychosis . . . . .	—	—	—	—	—	—	—	—	—	—	—	—
Total . . . . .	31	32	63	1	1	2	23	27	50	7	4	11

TABLE 16. Causes of Death of Patients Classified with Reference to Principal Psychose

CAUSES OF DEATH	Total			Senile			With cerebral arterio-sclerosis			General paralysis		Alcoholic
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
<i>Epidemic, Endemic and Infectious Diseases</i>												
Tuberculosis of the respiratory system . . . . .	1	3	4	—	—	—	—	—	—	—	—	—
Syphilis (non-nervous forms) . . . . .	1	—	1	—	—	—	—	—	—	—	—	—
<i>General Diseases not Included in Class I</i>												
Cancer and other malignant tumors . . . . .	1	3	4	—	2	2	1	—	1	—	—	—
Alcoholism (acute or chronic) . . . . .	1	1	2	—	—	—	—	—	—	—	—	—
Other general diseases . . . . .	1	1	2	—	—	—	—	—	—	—	1	1
<i>Diseases of the Nervous System</i>												
Cerebral hemorrhage, apoplexy . . . . .	2	3	5	—	—	—	1	2	3	—	—	—
General paralysis of the insane . . . . .	5	1	6	—	—	—	—	—	—	5	1	6
Other forms of mental disease . . . . .	—	2	2	—	2	2	—	—	—	—	—	—
Other diseases of the nervous system . . . . .	1	—	1	—	—	—	—	—	—	—	—	—
<i>Diseases of the Circulatory System</i>												
Endocarditis and myocarditis . . . . .	8	6	14	—	2	2	3	3	6	—	—	1 1 2
Arteriosclerosis . . . . .	8	10	18	1	1	2	6	6	12	—	—	—
<i>Diseases of the Respiratory System</i>												
Bronchopneumonia . . . . .	1	2	3	—	1	1	—	1	1	—	—	—
Lobar pneumonia . . . . .	2	2	4	—	2	2	—	—	—	—	—	—
Pleurisy . . . . .	1	—	1	—	—	—	—	—	—	—	—	—
<i>Diseases of the Digestive System</i>												
Cirrhosis of liver . . . . .	—	1	1	—	—	—	—	—	—	—	—	1 1
<i>Non-Veneral Diseases of Genito-Urinary System and Anæmia</i>												
Nephritis . . . . .	1	—	1	—	—	—	—	—	—	—	—	—
<i>Diseases of the Skin and of the Cellular Tissue</i>												
Gangrene . . . . .	—	1	1	—	1	1	—	—	—	—	—	—
Total . . . . .	34	35	69	1	11	12	11	12	23	5	1	6 2 2 4

TABLE 16. *Causes of Death of Patients Classified with Reference to Principal Psychoses — Concluded.*

CAUSES OF DEATH										Manic-depressive			Involution melancholia			Dementia praecox			Paranoia and paranoid conditions			1All other psychoses		
										M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
<i>Epidemic, Endemic and Infectious Diseases</i>																								
Tuberculosis of the respiratory system																								
Syphilis (non-nervous forms)																								
<i>General Diseases not Included in Class I</i>																								
Cancer and other malignant tumors																								
Alcoholism (acute or chronic)																								
Other general diseases																								
<i>Diseases of the Nervous System</i>																								
Cerebral hemorrhage, apoplexy																								
General paralysis of the insane																								
Other forms of mental disease																								
Other diseases of the nervous system																								
<i>Diseases of the Circulatory System</i>																								
Endocarditis and myocarditis																								
Arteriosclerosis																								
<i>Diseases of the Respiratory System</i>																								
Bronchopneumonia																								
Lobar pneumonia																								
Pleurisy																								
<i>Diseases of the Digestive System</i>																								
Cirrhosis of liver																								
<i>Non-Veneral Diseases of Genito-Urinary System and Anæmia</i>																								
Nephritis																								
Gangrene																								
Total										2	3	5	1	—	1	3	4	7	1	—	1	8	2	10

Includes group 22, "without psychosis"

TABLE 17. Age of Patients at Time of Death Classified with Reference to Principal Psychoses

PSYCHOSES	Total			25-29* years			35-39 years			40-44 years			45-49 years		
	Total			M. F. T.			M. F. T.			M. F. T.			M. F. T.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic . . . . .	1	11	12	-	-	-	-	-	-	-	-	-	-	-	-
2. Senile . . . . .	11	12	23	-	-	-	-	-	-	-	-	-	-	-	-
3. With cerebral arteriosclerosis . . . . .	5	1	6	-	-	-	-	-	-	1	1	2	1	1	1
4. General paralysis . . . . .	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-
5. With cerebral syphilis . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6. With Huntington's chorea . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases . . . . .	4	2	6	-	-	-	-	-	-	-	-	-	-	-	-
9. Alcoholic . . . . .	2	2	4	-	-	-	-	-	-	-	-	-	1	1	1
10. Due to drugs and other exogenous toxins . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13. Manic-depressive . . . . .	2	3	5	-	1	1	-	-	-	-	-	-	-	-	-
14. Involution melancholia . . . . .	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-
15. Dementia praecox . . . . .	3	4	7	1	-	1	-	1	1	-	-	-	-	-	-
16. Paranoia and paranoid conditions . . . . .	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
17. Epileptic psychoses . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18. Psychoneuroses and neuroses . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19. With psychopathic personality . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20. With mental deficiency . . . . .	3	2	5	-	-	-	-	-	-	-	-	-	-	-	-
21. Undiagnosed psychoses . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22. Without psychosis . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total . . . . .	34	35	69	2	1	3	5	1	6	1	1	2	2	1	3

\*None between 30-34.





TABLE 18. Total Duration of Hospital Life of Patients Dying in Hospital Classified with Reference to Principal Psychoses

PSYCHOSES	Total			Less than 1 month			1-3 months			4-7 months			8-12 months			1-2 years			3-4 years		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	-	1	11	1	1	2	-	2	2	-	1	1	-	2	2	-	2	2	-	2	2
2. Scute	-	11	12	2	5	7	-	-	-	-	1	1	-	2	2	-	2	2	-	2	2
3. With cerebral arteriosclerosis	-	11	12	2	5	7	-	-	-	-	1	1	-	2	2	-	2	2	-	2	2
4. General paralysis	-	5	1	-	-	-	-	-	-	-	1	1	-	2	2	-	2	2	-	2	2
5. With cerebral syphilis	-	1	6	-	-	-	-	-	-	-	1	1	-	2	2	-	2	2	-	2	2
6. With Huntington's chorea	-	1	1	-	-	-	-	-	-	-	1	1	-	2	2	-	2	2	-	2	2
7. With brain tumor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases	-	4	4	-	-	-	-	-	-	-	1	1	-	2	2	-	2	2	-	2	2
9. Alcoholic	-	2	2	1	-	1	-	1	1	-	1	1	-	2	2	-	2	2	-	2	2
10. Due to drugs and other exogenous toxins	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13. Manic-depressive	-	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14. Involution melancholia	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15. Dementia praecox	-	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16. Paranoia and paranoid conditions	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17. Epileptic psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18. Psychoneuroses and neuroses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19. With psychopathic personality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20. With mental deficiency	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21. Undiagnosed psychoses	-	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22. Without psychosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	34	35	69	4	6	10	2	5	7	3	1	4	2	3	5	14	3	17	-	3	3



The Commonwealth of Massachusetts

ANNUAL REPORT

OF THE

TRUSTEES

OF THE

FOXBOROUGH STATE HOSPITAL (insane)

FOR THE

YEAR ENDING NOVEMBER 30, 1931

1931

DEPARTMENT OF MENTAL DISEASES



PUBLICATION OF THIS DOCUMENT APPROVED BY THE COMMISSION ON ADMINISTRATION AND FINANCE

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OCT 5 1932  
FOXBOROUGH STATE HOSPITAL

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*Principal of Training School*  
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TRUSTEES' REPORT

*To His Excellency the Governor and the Honorable Council:*

As the Trustees of the Foxborough State Hospital we feel that we are acting for you in the larger administration of this institution. To this, we hope, helpful end we make this our current annual report. We feel that we can show progress during the year just passed.

In addition to carrying on the routine affairs of administration we have been able to complete a home for male employees with accommodation for seventy-three and a nurses' home with accommodation for sixty-three. There yet remains one ward building one floor of which is occupied by employees. Before the whole of this building can be converted to the use of patients it will be necessary to construct a home for the administrative group.

At our Hersey Farm Colony we have nearly completed a dormitory for eighty-seven patients and fifteen employees. The sum of \$10,000 is needed for furnishings and equipment. The establishment of this colony group will make it unnecessary to daily transport patients to and from the farm. We believe that this will be of great benefit to many patients of the continued treatment type and at the same time aid greatly in the expansion of farm activity.

Our hospital library has been greatly added to and properly classified. A valuable service is being rendered to both patients and employees and we shall look with all favor on its continuance.

Our greatest need for new construction seems to be an addition to the day space of our male wards to make it commensurate with the dormitory space no part of which would be adaptable for use as day space by any rearrangement. By this means only can we provide the capacity necessary for the adequate care of the patients.

Other outstanding needs are a new laundry building, a new and larger assembly hall, an addition to the cow barn and added facilities for hydrotherapeutic treatment.

For further details regarding the work of the institution and its special needs we would call your attention to the report rendered by the Superintendent.

We desire to express our appreciation of services rendered by the Officers and Employees of the Hospital in their kindly and sympathetic care of our patients.

Respectfully submitted,

CHARLES A. LITTLEFIELD,

THOMAS J. SCANLAN,

CLAIRE H. GURNEY,

BENNET B. BRISTOL,

HORACE A. KEITH,

MINNA R. MULLIGAN,

WILLIAM H. BANNON,

Trustees.

## SUPERINTENDENT'S REPORT

*To the Trustees of the Foxborough State Hospital:*

The fortieth annual report of the Superintendent of the Foxborough State Hospital for the year ending November 30, 1931, is herewith respectfully submitted. The Statistical Tables contained therein are for the year ending September 30, 1931.

### MOVEMENT OF POPULATION

At the beginning of the statistical year there were on the books of the hospital a total of 1,154 patients on regular court commitment, 555 men and 599 women. There were 82 men and 54 women on trial visit and escape. During the year 98 men and 102 women were admitted. At the close of the year ending September 30, 1931, there were on the books a total of 1,127 patients, 517 men and 610 women, of whom 54 men and 35 women were on trial visit and escape. There were 25 ex-service men and 1 ex-service woman. Further details concerning the movement of the patient population will be found in the special tables elsewhere in this report.

### MEDICAL SERVICE

Changes in personnel: — On February 26, Dr. Louise R. Gowanlock resigned to re-enter the field of general medicine. Dr. Joseph E. Wittig was appointed as an assistant physician on July 15, 1931. He received the Degree of A.B. from Providence College in 1924 and of M.D. from Boston University in 1929. Following graduation he served as an assistant physician at the State Infirmary, Howard, R. I., and later as a resident physician at the Union Hospital in Fall River. On August 6, 1931, Dr. Virgil E. Neuman was appointed assistant physician. He received the Degree of A.B. from the University of Michigan in 1921 and the Degree of M.D. from the University of Michigan Medical School in 1929. He served a general hospital internship in the Henry Ford Hospital, Detroit, Michigan. Dr. Neuman resigned his position on September 29th.

### EMPLOYEES

On December 1, 1931, there were 212 employees; total number leaving the service was 142; total number appointed 147. The general health of the employees was better than average during the year.

In September the new Nurses' Home and the new Male Employees' Home were opened for occupancy, almost completely furnished. They contain total accommodations for 133. For the first time in many years it has been possible to have all employees rooming outside the wards. However, it is still necessary to retain the second floor of the E Building as a dormitory for employees. If reconstructed this space could be used to relieve still further the crowded condition of our female wards. Before this could be done it would be necessary to construct a new building as a home for the administrative group.

### GENERAL HEALTH OF THE HOSPITAL

There was no more than the usual amount of sickness among patients and employees. A few cases of acute infectious disease arose but these were promptly segregated and a spreading of the disease prevented.

### X-RAY AND PHYSIOTHERAPY

During the year 1,972 treatments were given in physiotherapy and 871 X-Ray exposures were made, as listed below: — Diathermy, 55; baking, 741; massage,



375; ultra-violet, 621; auto-condensation, 180; total treatments, 1,972.

Number of films used, 544; number of dental films used, 315; number of films used for experimental work, 12; total 871.

#### HYDROTHERAPY

The continuous baths have been found to be quite indispensable as a sedative measure in caring for excited patients. The present equipment is adequate to care for the needs of the acute cases but insufficient to provide treatment for patients of the continued treatment type. It is hoped that this deficiency can be met in the near future by the installation of additional continuous bath suites on both the male and the female wards. During part of the year the Tonic Bath Suite was closed for repairs.

Lectures and demonstrations were given to the physicians, nurses and attendants. These were given in part by Dr. Rebekah Wright, Hydrotherapist for the Department of Mental Diseases, and in part by members of the Medical Staff and Hospital Hydrotherapists.

	Males	Females
Number of patients given wet-sheet packs . . . . .	35	98
Number of packs administered . . . . .	142	955
Number of hours of treatment given in wet-sheet packs . . . . .	472	2,757
Number of patients given continuous baths . . . . .	84	141
Number of bath treatments given . . . . .	741	1,915
Number of hours of continuous bath treatments given . . . . .	4,808	9,945
Number of tonic bath treatments . . . . .	1,486	1,129

#### OCCUPATIONAL THERAPY

On March 16, 1931, Miss Augusta Hodges was appointed Head Occupational Therapist to fill the vacancy caused by the resignation of Miss Constance M. Garrod.

Special attention was given to working with patients on the wards, especially those of the more disturbed type who could not be taken to the class room. This resulted in a noticeable falling off in the number of articles made by the patients but the value of this method was definitely shown by improvement in the mental condition of the patients. About 100 patients were cared for daily in the classes.

Work Done:— 140 rugs, 408 runners, 1,824 towels, 53 pillows, 35 baskets, 101 pr. curtains, 5 small stands, 1 door stop, 3 pr. book ends, 54 small covers, 1 altar cloth, 159 face cloths, 2 luncheon sets, 12 napkin rings, 1 magazine rack, 10 vases, 1 sign.

#### WOMEN'S INDUSTRIAL

In addition to work done by the women patients in dining rooms, kitchens, laundry and chamber work, many patients are employed at sewing in both manufacturing and mending. The linen for the new Nurses' Home and Male Employees' Home was all made in the sewing room during the year. A great deal of the mending was done by patients on the wards, many of a type unsuited to work in the sewing room, the work being carried on under the supervision of the nurses in charge. The responsibility for discarding many articles unfit for use was placed upon this department with a view to making the process more systematic and eliminating unnecessary waste. The following is a list of the work done:—

30 doz. waitress and kitchen aprons, 16½ doz. large duck and small personal laundry bags, 2 doz. cracked ice and pastry bags, 7 doz. bathrobes, 8 doz. blankets, 3 doz. strong blankets, 1 bridge set, 27 combinations, 110 pr. curtains, 6 sets chair backs, 69 pr. drapery curtains, 10 pr. overdrapes, 45 pr. sash curtains, 8 caps, 7½ doz. kitchen coats, 37 doz. combinations, 37 doz. hydro. tub covers, 4½ doz. bedpan covers, 10½ doz. screen covers, 3 doz. laundry board covers, 1 doz. gloves, 1½ doz. ice bag covers, 3 extractor covers, 82 doz. gingham dresses, 40½ doz. strong dresses, 27 doz. pr. garters, 564 pr. men's hose, 6 pr. hydro. gloves, 3 doz. gowns, 24 hydro. hammocks, 6½ doz. pan holders, 13 jackets, 13 doz. mattress ticks, 67 doz. night dresses, 227 doz. pillow cases, 267 pillow ticks, 1,020 doz. sanitary pads, 253 doz. sheets, 50 shrouds, 19 sofa pillows, 20 surgical binders, 4 surgical leggings, 1 doz. pr. slippers, 78½ doz. shirts, 12 smocks, 189 table cloths, 15 table runners, 210 doz. towels, (hand size), 105 pr. tiebacks, 131 yds. toweling, 16 doz. table cloths, 4 unionsuits (special size), 117 window shades,

35 valances, 110 valances, 358 bureau runners, 44 yds. crochet lace.

Repaired:— Kitchen aprons, 301; blankets, 1,160; blankets (strong), 230; bed jackets, 14; bath towels, 37; bloomers, 278; strong dresses, 564; overalls, 189; petticoats, 73; pants, 783; pillow slips, 1,006; sheets, 1,961; shirts, 1,234; spreads, 969; table cloths, 216; rayon underwear, 38 pieces; bureau runners, 26; combination suits, 208; kitchen coats, 479; tub covers, 229; tub hammocks, 73; bath robes, 106; bibs, 14; night dresses, 933; slips, 38; mattress ticks, 405; pajamas, 45; stockings, 591; socks, 1,549; undershirts, 294; underdrawers, 193; extractor covers, 16; sweaters, 48; laundry bags, 324; unionsuits, 14; curtains, 2 pr.; bureau runners, 45; nurses' uniforms, 3.

#### MEN'S INDUSTRIAL

Miscellaneous articles were manufactured and repaired. The work of canning the farm produce is also done in the department.

Made:— Brooms, 12; towelling woven, 67 yards; mattresses, 49; cabinet, 1; window shades, 18; sliding doors, 8; chair seats, 200.

Repaired:— 50 pr. shoes soled, 51 pr. shoes heeled, 2 pr. shoes patched, 22 chairs scraped, 58 chairs repaired and refinished, 7 clocks repaired, 2 locks repaired, 3 chairs caned, 2 pr. eyeglasses repaired, 1 harness repaired, 11 mattresses re-made, 3 sewing machines repaired, filing cabinet repaired, 2 ferneries repainted, 14 window shades repaired, 3 mop wringers repaired.

Canned:— 10,478 lbs. string beans, 4,350 lbs. cabbage, 484 lbs. chard, 1,590 lbs. corn, 23,424 lbs. tomatoes.

#### PATHOLOGICAL AND RESEARCH

Dr. David Rothschild has continued with the work of this department. During the year Mrs. Evelyn Burke resigned her position as technician in charge of the laboratory and Mr. Charles Hamberg was appointed to fill her place. Two students were admitted to the course in laboratory training and one of these, Miss Mary L. Trainor, completed the course during the year. She was later appointed as a laboratory technician.

The following is an outline of the work of the department in 1931:—

During the course of the year nineteen post mortem examinations were performed on the hospital cases. This comprises 26% of the deaths occurring in the hospital. The psychiatric diagnoses in these cases were as follows:—

Psychosis with cerebral arteriosclerosis, 3; general paresis, 3; senile psychosis, 3; dementia praecox, 4; psychoses with somatic disease, 2; psychosis with other brain or nervous disease, type undetermined, 1; psychosis with epidemic encephalitis, 1; manic depressive psychosis, 1; undiagnosed psychosis, 1.

The primary causes of death were as follows:— Carcinoma (carcinoma of sigmoid, carcinoma of breast, carcinoma of stomach), 3; general paresis, 3; generalized arteriosclerosis, 4; cerebral arteriosclerosis (with cerebral hemorrhage), 1; pulmonary tuberculosis, 2; senile dementia, 1; alzheimer's disease, 1; myocarditis and broncho-pneumonia, 1; diabetes, 1; volvulus of sigmoid with acute intestinal obstruction, 1; asphyxia due to epileptiform seizure, 1.

In addition, a biopsy was performed on a patient with multiple tumors of the skin and subcutaneous tissues. The diagnosis made on the basis of the histologic examination was melanosarcoma. In all cases coming to autopsy the brain and sections from the other organs are preserved for sectioning and staining. Two interesting cases in this department formed the basis of papers published during the course of the year. Cases of senile psychosis are still being collected with a view to correlating the anatomical findings with the changes in the blood cerebrospinal fluid barrier as revealed by the bromide permeability test. There are now under investigation three cases of Alzheimer's Disease, which will form the basis of a future paper.

#### CHEMICAL, BACTERIOLOGICAL, AND SEROLOGICAL DEPARTMENTS

The enlarged program begun in previous years has been continued, and wherever possible has been expanded. Complete blood counts and five urinalyses are performed routinely on all patients admitted to the hospital and further examinations made as indicated. Quantitative chemical studies of the blood are carried out on all new cases. The number of determinations made was as follows:— Urea determinations in 155 cases, non-protein nitrogen in 209 cases, uric acid in



129 cases, chloride in 265 cases, calcium in 296 cases, creatinine in 179 cases and sugar in 442 cases.

During the current year 213 specimens of spinal fluid were examined. Intensive chemical investigations were made on these fluids. In all cases, specimens of blood were obtained simultaneously with the spinal fluid so that parallel determinations of the blood and spinal fluid concentrations of sugar, calcium and chloride could be made. At the same time, the ratio of distribution of bromide between the blood and cerebrospinal fluid was estimated by Walter's method. In this way it is possible to determine whether a lowering or raising of the blood-cerebrospinal fluid barrier for bromide is accompanied by similar changes for other substances. Some of this work has already formed the basis of one publication that appeared during the past year, and future papers along these lines are in preparation. In addition to the procedures mentioned above, all spinal fluids are investigated for total protein (quantitative method of Dennis and Ayer), number of cells and colloidal gold curve. Spinal fluid urea examinations were made in 85 cases, uric acid in 58 cases, creatinine in 90 cases, and non-protein nitrogen in 57 cases.

In connection with the work on the spinal fluid, it has been noted that a certain number of patients with dementia praecox, particularly the catatonic type, show marked improvement following lumbar puncture. Observations along these lines are now being collected and the problem will be followed in conjunction with the clinical staff.

Kidney function tests, gastric analyses and other miscellaneous procedures were performed at the request of the physicians.

Bacteriological examinations of throat cultures were made in 25 cases. The sputum was investigated for tuberculosis in 50 cases. 124 smears were examined for Neisser's infection. In addition, a number of blood cultures and cultures from abscesses were made. Basal metabolism tests were performed on 21 patients.

The syphilitic treatment clinic has been active during the course of the year. Weekly clinics were held and over 50 patients received various kinds of treatment. Bismuth was used in most cases, but malarial treatment was given to a number of suitable cases. At present, tryparsamide is being administered to a number of patients, and although it has only been used for a comparatively short time, favorable results are already being observed.

During the course of the year the following papers were published:—

"The Blood-Cerebrospinal Fluid Barrier in Manic Depressive Psychosis," by D. Rothschild and Wm. Malamud. *Archives of Neurol. and Psychiat.*, Vol. 26, p. 829, 1931. This paper was read at a meeting of the Association for Research in Nervous and Mental Diseases, held in New York, December 29, 1930.

"A Productive Degenerative Form of Endarteritis of the Small Pial Vessels," by Dr. Rothschild and K. Lowenberg. *Archives of Neurol. and Psychiat.*, Vol. 26, p. 993, 1931.

"Alzheimer's Diseases, Its Occurrence on the Basis of a Variety of Etiologic Factors," by K. Lowenberg and D. Rothschild. *The American Journal of Psychiatry*, Vol. 11, No. 2, September, 1931. This paper was read at the eighty-seventh annual meeting of the American Psychiatric Association held at Toronto, Ontario, June 1 to June 5, 1931.

#### NEUROPSYCHIATRIC CLINICS

Two Out-Patient Mental Clinics were conducted throughout the year as usual, one at this hospital and the other in the Brockton Hospital. The work was done by Dr. David Rothschild and Dr. Cornelia E. J. Schorer, assisted by the Social Service and Psychological workers.

The main purpose of the clinic is to provide the surrounding communities with facilities for the diagnosis and treatment of nervous and mental disorders. Most of the cases were referred by physicians and social agencies of Brockton and the neighboring districts, but a number were also sent to the clinic by the police authorities. Regular attendance for purposes of treatment was advised, and in the majority of cases secured, whenever prolonged psychotherapeutic measures were indicated.

During the course of the year 410 visits were made to the Clinic. Of this number 125 were new cases.

The most frequently encountered type of disorder was that included under the broad term behavior problem. There were 39 cases in this group which was composed of children or adolescents whose intellectual attainments were within normal limits. The majority of these patients showed disorders of conduct at home or in school, but in a considerable number the most prominent features were difficulties in the sexual sphere. Waywardness and various asocial tendencies were also observed. Most of the patients in this group made repeated visits to the clinic and definite improvement was secured in a large proportion of them. In many instances unfavorable environmental influences had to be corrected, largely by talks on mental hygiene to the parents or other persons interested in the individual cases.

In 19 cases a diagnosis of psychoneurosis was made. The most common types met with were anxiety hysteria and traumatic neuroses. Some form of psychotherapy was undertaken in all the suitable cases belonging to this group.

Twenty-one cases were regarded as suffering from some form of psychosis. Some of these patients were on visit from the hospital but a considerable number were referred to the clinic by physicians from the neighboring communities. In the milder cases treatment was undertaken at the clinic or outlined to the family physician. In the more severe cases commitment to a state hospital for mental diseases was recommended.

A diagnosis of mental deficiency was made in 11 cases. In the more severe cases, arrangements were made for institutional care. In some of the milder cases special classes were recommended. In many instances advice to the parents on more skillful methods of management resulted in marked improvement of these patients as regards the behavior disorders that they frequently exhibited.

Twenty-four cases with various neurological conditions were observed during the current year. Among these were four cases diagnosed as idiopathic epilepsy. Other common disorders were cerebral arteriosclerosis and peripheral nerve lesions of traumatic origin. One fresh case of epidemic encephalitis and a suspected case of acute anterior poliomyelitis were observed. A very rare disorder encountered was dystonia musculorum deformans (one case).

As in past years the staff of the Brockton Hospital availed itself of the facilities of the clinic for purposes of consultation. Over 50 patients were seen in consultation on the wards of the Brockton Hospital.

During the current year a course in psychology consisting of eight lectures was given to the senior class of nurses in training at the Brockton Hospital.

The psychological department of the Foxborough State Hospital has continued to be of great value in the work of the clinic. Over 50 psychometric examinations and six school tests were performed during the course of the year. The Social Service Department under the supervision of Miss Moseley has been very helpful in obtaining histories and in investigating the home surroundings when necessary. The various social agencies in Brockton have frequently been of great assistance in correcting unfavorable environmental influences and bringing about a better adjustment of the patients.

We take this opportunity of expressing our appreciation of the assistance rendered us by the Superintendent and other members of the staff of the Brockton Hospital, and by the representatives of the various community organizations in the city of Brockton.

#### SCHOOL CLINICS

Dr. Cornelia B. J. Schorer, assisted by a psychometrist and social workers, carried on this work as follows:—

During the year from December 1, 1930 to November 30, 1931, the school clinic was held in 14 towns and in addition to this on the last day of the year work was started in Bridgewater, to be continued in December. The other towns visited during the year were Norwood, Needham, Hingham, Bellingham, Walpole, Norton, Mansfield, Canton, Foxboro, Milton, Stoughton, Weymouth, Cohasset and Sharon. In all of these towns the school clinic has been held in previous



years. Preparatory work has also been arranged for in the towns of East Bridgewater and Weymouth, where we expect to go after the New Year.

In 6 towns the school tests were given by teachers assigned for this work by the superintendents. In the 9 remaining towns they were done by the psychometrist. In 9 towns the school nurses took the social histories for us, while in the remaining 5 towns this work was done by our social service. In 12 of the towns in our district there are special classes, mostly one to a town; however, in one town (Bridgewater) there are at present 2 special classes and another town (Norwood) has 3 such classes.

In the remaining towns we have thus far found only a small number of seriously retarded children among those sent to us for examination and these towns therefore have not opened any special classes.

We examined in all 445 children (300 boys and 145 girls). Of these 131 (77 boys and 54 girls) were found to be feeble-minded. Of this number 110 (70 boys and 40 girls) were recommended for special class and 14 (6 boys and 8 girls) were of so low an intelligence that institutional care was advised. A few children examined during their first year in the first grade were found to be so much retarded that they were unable to participate in the work of their class, and would merely sit without any profit. In their cases we advised to keep the children at home until a later examination showed them sufficiently advanced to profit from the instruction given, be it in the regular grade or in a special class. We thereby tried to prevent the establishment of bad school habits in these children who become extremely bored when they feel left out of the general activities of their fellows. No diagnoses were made in these cases, this being left for later examinations.

In all the towns visited we have had the most cordial cooperation of the school authorities. Many short, informal discussions with the teachers, principals and nurses have helped to a better understanding of the children in question. Special points in mental hygiene could be explained and on the other hand it gave us a better insight into the problems and aims of the schools. We have also made suggestions as to training in cases of special defects and disabilities. A number of mothers were seen also. While the children regarding whom an interview was sought were all more or less retarded, the necessity of and consequent desire for mental hygiene advice was shown in most cases and readily accepted by the parents.

In the Out-patient Department at the hospital only 3 children were examined by special appointment. While they were brought by relatives, this was upon the suggestion of the school authorities.

During the first 2 months of the year Miss Evelyn Atkinson was the psychometrist. Since February 1st, when Miss Atkinson returned to the university for further studies, Miss Eleanor Culbert has done the psychometric work. The larger part of this consisted in work with the travelling school clinic. Aside from psychometric examinations there she also gave the school tests in 9 towns where no teacher was available for this work. In addition to the work at the school clinic the psychometrists gave Stanford mental tests to 65 patients and a group of Performance tests, usually the Grace Arthur Point Scale, was given to 65 patients. At the Brockton Clinic the psychometrists examined 51 patients, and in addition they gave school tests to 7 children. They further gave 30 Stanford tests and 10 series of Performance tests to court cases. Dr. Schorer gave psychometric examinations to 9 court cases and in addition did a number of such tests at the Brockton Clinic, some during the absence of the psychometrist on a vacation. The others were very young children or cases of older children that presented special problems.

We wish to express our appreciation of the valuable assistance rendered to us by the superintendent of schools and all others who helped with the examination of the children in the obtaining of histories.

#### DENTAL REPORT

Dr. Arthur G. Webster continued with the dental work on a part time basis, assisted by Miss Pearl Vincent. Authority has been obtained for the appointment of a dentist to devote full time to the dental care of our patients. This



step was necessary to meet the needs of the ever increasing number of patients. It is expected that full time position will be filled in the near future and the scope of the work greatly broadened.

Patients were treated as follows: — Total number of patients treated, 1,181; operations, 2,390; extractions, 448; fillings, 307; X-rays taken, 61; teeth cleaned and scaled, examined and charted, 1,431.

#### SOCIAL SERVICE

The work of this department was carried on by Miss Elizabeth Moseley, with the assistance of one social worker and two students in social service. The large area from which patients are received has made it necessary to cover considerable distances in order to properly investigate and supervise cases, but much valuable work has been done.

The Department has dealt during the year since December 1, 1930, with a total of 673 cases (351 males and 322 females). Of these 428 (233 male, 195 female) were referred to the Department for the first time.

Of this total number 445 were patients under commitment to the hospital (224 male, 221 female). Of these patients 232 (120 male, 112 female) were new admissions to the hospital during the year and automatically referred to this Department for social history and investigation. There were during the year 147 patients out on prolonged visit from the hospital under the supervision of this Department. Of these 66 were men and 81 women. All of them have been kept in touch with either by personal calls at their homes or by letters, by being interviewed when reporting at this hospital or at the Brockton Clinic, or through some other agency cooperating with us, as was the case in two instances where the patient lived in the western part of the state and reported to one of the hospital clinics in that section, which in turn reported to us. In many of the cases there has been intensive social treatment given and a great variety of problems has been dealt with. In some cases they have been referred to a local social agency for relief or some special need which must be met by the community. One difficulty which we have met in the last year has been that of securing employment for our patients, due to the business depression. The situation has become such that it is practically impossible for this Department to secure positions for anyone leaving the hospital other than women who can be placed at domestic service, and even those positions have become more scarce than formerly.

The remaining 228 cases handled were those in the community not under commitment to the hospital. The larger group of these, 142, (63 male, 79 female) were patients reporting at our Brockton Neuro-psychiatric Clinic, where 153 interviews were held by the social worker, 38 with patients and 115 with other persons accompanying them. These interested individuals are often local social agencies or district nurses, and our contacts with them have been most pleasant. We have also had referred to us by the clinic physician a few cases for intensive outside investigation or social treatment, and in these cases we appreciate the cooperation given us by the local social agencies which we have often found it necessary to consult. Another group of the community cases were those of retarded school children whose social histories were secured in connection with the school clinic work. This year we had referred only 37 of these cases, covering five towns; namely, Bellingham, Bridgewater, Canton, Foxborough and Stoughton. This number is 133 less than the number handled last year by this Department and may be accounted for, partly at least, by the fact that in certain of the towns during the year the local school nurses have secured these histories and it was therefore not necessary for them to be referred to this Department. In many ways this seems a more satisfactory arrangement and releases the hospital worker for the more intensive work with hospital patients, the number of which has increased in the past year. The third group of community cases consisted of certain persons — 37 in number — awaiting trial, who in accordance with the Briggs Law, were being examined for their mental condition and in whose cases we were asked to make a social investigation. In the few years that we have handled these cases there has been a steady increase in the number referred, there having been 33 last year and only 12 in the year before. While

these cases are extremely interesting, the problem of making the full investigation usually required in the limited time allowed and over such a wide area is often a difficult one. The remaining 12 miscellaneous cases have been those in the community referred chiefly by other social agencies or have been certain individuals reporting to the Out-patient Department at the hospital. In a few instances they have been former patients, now discharged, who have come back for further advice or help in making some adjustment. For one such patient, now out of the hospital over four years, we were able to secure a position at housework in a private family, and she is now very happily situated.

The total number of interviews held during the year was as follows:

Interviews at hospital with patients' relatives, 699.

Interviews with patients on the ward, 139.

Visits to patients outside the hospital, 79.

Visits to relatives of patients, 343.

Visits to social agencies, 251.

Visits to other interested individuals (employers, neighbors, physicians, friends), 796.

Visits to homes in school clinic work, 37.

Interviews at Neuropsychiatric Clinic, 135.

A total of 2,479.

We have continued to have a part in the training of student workers, co-operating with Miss Hannah Curtis of the Department of Mental Diseases in the plan established by her last year. Miss Rebecca Glasmann left in July, after completing her nine months of training, and in her place we have secured Miss Ruth Holmes, who started in October. Miss Holmes is a graduate of Wheaton College and is taking two courses at the Simmons College School of Social Work.

#### TRAINING SCHOOL FOR PSYCHIATRIC NURSING

The work of the Training School has been carried on under the direction of Miss Marion E. Blanchard. At the close of the first year of the school there were only five pupils. They took the examinations given by the Training School Committee. All passed creditably and entered the senior class on October 1st. At the same time a junior class of 17 members was enrolled. Classes have been carried on regularly in the thirty hour course for attendants, including those on the male wards.

Much necessary equipment and apparatus has been added during the year, greatly facilitating the class room teaching and ward demonstrations.

The opening of the Nurses' Home has meant much to the comfort and pleasure of the nursing staff. Social activities have greatly increased and much is promised for the future. Already there is noticeable a marked change for the better in the care of our patients because of the special training on the part of the nursing personnel.

#### ENTERTAINMENT

Except during the summer months moving pictures were shown weekly throughout the year. Arrangements are now being made for the installation of new projectors with sound equipment of the most modern type. The appreciation expressed by the patients at demonstrations which have been given indicates beyond a doubt the great gain which will result from the addition of this modern equipment. Dances have been held weekly, the music being provided by the hospital orchestra. Plays and entertainments were given by local organizations and were very much appreciated by patients and employees.

The Annual Field Day was held on the Fourth of July. All the patients who were able to leave the wards were taken to the grounds where they took part in or witnessed the games and enjoyed the supper served in the open air.

Many additions were made to the hospital library and under the direction of Miss E. Kathleen Jones, Secretary, State Division of Public Libraries, the books have been systematically classified and indexed.

Additional radios have been installed and it is expected that during the next few months a radio outlet will be provided for each ward. We feel that the hospital personnel have been untiring in their efforts to stimulate in the patients an interest in occupation and recreation.

## FARM AND GROUNDS

The crops this year were of average size in spite of unfavorable weather conditions in the early spring. As last year, enough potatoes were harvested to meet the consumption of the hospital until the summer of 1932. The milk production showed a further increase of 780.16 lbs. in the average production per cow during the year. The egg production showed a slight decrease but the pork was in excess of the quota.

A new team of horses was bought to replace one which had served the hospital for many years and was no longer fit for service. Ten new cows were added from outside herds.

Briefly summarized the production was as follows:—

Milk, 330,800.3 lbs.; eggs, 5,725 doz.

Vegetables:— Garden produce, 319,927½ lbs.; potatoes, 232,113 lbs.

Fruit, 10,012 lbs.

Meat:— Pork, 41,095¼ lbs. poultry, 4,054 lbs.; beef, 473.7¾ lbs.

Hay, 9 tons; ensilage, 70 tons.

The institution was abundantly supplied with green vegetables throughout the season and the surplus stored or canned for winter use. About five tons of melons of good quality were grown at comparatively small expense.

A new pasteurizer of latest type was installed in the dairy and new tools were purchased.

The profit showed by the farm totaled \$14,562.99.

The opening of a new dormitory for patients and employees at the Hersey Farm in the spring of 1932 will greatly facilitate the performance of routine work at the farm. It will also make possible clearing of additional land and a general expansion of farming activities.

## RELIGIOUS SERVICES

Religious services have been conducted at the hospital by the clergymen of the various denominations of the town of Foxborough throughout the year. In addition to responding promptly to all sick calls the clergymen have made frequent routine visits to the patients, bringing comfort and cheer to many. We would express our appreciation of the excellent service they have rendered.

## LAUNDRY

The crowded condition of the laundry was to some extent relieved by the taking over of space on the second floor, which, until September, had for years been used as a dormitory for employees. A new laundry building of modern type of only one story and fireproof throughout is much needed. The present building could be used for industrial purposes.

## POWER HOUSE

The work of reconditioning the power plant has continued. Considerable electric wiring and many steam lines have been replaced by new. Under a special appropriation granted in 1930 a survey was made of the electrical equipment and plans made for the installation of a new switchboard and motor generator, whereby power for lighting will be purchased instead of manufactured by the hospital. It is expected that the equipment will be in operation early in 1932 and that it will result in a considerable saving in expense.

## REPAIR DEPARTMENT

In addition to attending to many minor repairs the maintenance group assisted by patients completed many important pieces of work of which mention should be made as follows:—

About 500 sq. ft. of cement sidewalk was laid about the hospital grounds. A steel and concrete floor was laid in the barn at the Hersey Farm to provide additional storage space (Repair and Renewal). A facade of cement blocks was added to the root cellar, new ventilators installed and the whole structure recovered with earth. A portion of the storeroom was refurnished and converted into a dining room and serving room for use of the Administration Group. This makes possible the preparation in the main kitchen of all food used in the institution by both patients and employees. The rooms are attractively decorated and furnished and well suited to their purpose. One of the male wards and one of the female wards was each so divided and its equipment so rearranged that it provided



better facilities for the care of tuberculous patients. More than 1,000 fly screens were made and installed on windows of ward buildings (Repair and Renewal). Forms were made and concrete walls laid for the large fireproof shed to be built in the new salvage yard (Repairs and Renewals). Three steam boilers were completely relined with brick. Several wards were repainted throughout. A new fire truck was purchased fully equipped. This has been greatly needed and will provide much needed protection, especially for our outlying buildings, including homes occupied by employees. Quite extensive repairs were made to the roofs of several of the buildings.

#### SPECIAL APPROPRIATIONS

During the year the contract for the erection of the Male Employees' Home (1930 appropriation) and the Nurses' Home (1931 appropriation) were completed and the buildings furnished, meeting a long felt need of the institution. The Dormitory Building for patients and employees (1930 appropriation) was begun in March, 1931, and will be completed in December. A sum has been requested in the budget for 1932 with which to furnish and equip the building. It is a complete unit in itself, with kitchen, dining rooms and heating plant, modern in every particular. Fireproof stairways were erected leading to the south exits to wards G and H and A and B (1931 appropriation). In addition wire grills were installed for the protection of all stairways from the west exits of Wards M and N, O and P, Q and R and S and T (1931 appropriation). These measures have added greatly to the safety of the patients. Extensive grading was done by the use of a steam shovel and trucks to cut away a high section of land surrounding the new Homes and using the material to fill low areas about the grounds (1931 appropriation).

As outstanding needs for the coming year we would mention a new laundry building, a new assembly hall, a new residence for administratives and an addition to the cow barn.

#### ACKNOWLEDGMENTS

I desire to take this opportunity of expressing my appreciation of the thoughtfulness on the part of so many who have contributed to the comfort and welfare of our patients, including those organizations and individuals who have provided entertainments, gifts and reading matter. I wish to thank also the Board of Trustees for the support and encouragement they have given me and the personnel of the Hospital for their loyalty and assistance.

Respectfully submitted,

RODERICK B. DEXTER,

*Superintendent.*

#### VALUATION

November 30, 1931

##### REAL ESTATE

Land, 352.4 acres . . . . .	\$35,400.00
Buildings . . . . .	1,909,005.29
	<hr/>
	\$1,944,405.29

##### PERSONAL PROPERTY

Travel, transportation and office expenses . . . . .	\$300.00
Food . . . . .	10,682.83
Clothing and materials . . . . .	16,170.33
Furnishings and household supplies . . . . .	168,252.47
Medical and general care . . . . .	32,010.06
Heat, light and power . . . . .	10,731.28
Farm . . . . .	37,200.14
Garage, stables and grounds . . . . .	10,473.20
Repairs . . . . .	16,835.08
	<hr/>
	\$302,655.39

##### SUMMARY

Real estate . . . . .	\$1,944,405.29
Personal property . . . . .	302,655.39
	<hr/>
	\$2,247,060.68

#### FINANCIAL REPORT

*To the Department of Mental Diseases:*

I respectfully submit the following report of the finances of this institution for the fiscal year ending November 30, 1931.

##### CASH ACCOUNT

##### Receipts

Income:	
Board of Patients . . . . .	\$57,216.26

Personal Services:					
Reimbursement from Board of Retirement					129.39
Sales:					
Travel, transportation and office expenses				\$45.52	
Food				1,391.71	
Furnishings and household supplies				56.95	
Medical and general care				8.80	
Heat, light and power				1.00	
Farm:					
Cows and calves, and bull				221.00	
Hides				11.13	
Barrels				2.20	
Sleighs				15.00	
Repairs, ordinary				74.34	
Total sales					1,827.65
Miscellaneous:					
Interest on bank balances				\$215.92	
Rent				382.14	
Sundries, (X-Rays)				133.50	
Total Income					731.56
Balance from previous year, brought forward		MAINTENANCE			\$13,723.81
Appropriations, current year					412,000.00
Total					\$425,723.81
Expenses (as analyzed below)					407,732.03
Balance reverting to Treasury of Commonwealth					17,991.78
		<i>Analysis of Expenses</i>			
Personal services					\$216,237.22
Religious instruction					1,519.00
Travel, transportation and office expenses					6,031.68
Food					56,114.75
Clothing and materials					13,164.95
Furnishings and household supplies					17,451.39
Medical and general care					15,418.65
Heat, light and power					38,958.74
Farm					21,968.50
Garage, stable and grounds					3,904.44
Repairs ordinary					8,183.41
Repairs and renewals					8,779.30
Total expenses for Maintenance					\$407,732.03
Balance December 1, 1930		SPECIAL APPROPRIATIONS			\$282,924.38
Appropriations for current year					19,300.00
Total					\$302,224.38
Expended during the year (see statement below)				\$226,119.98	
Reverting to Treasury of Commonwealth				67.05	
					226,187.03
Balance November 30, 1931, carried to next year					\$76,037.35

OBJECT	Act or Resolve	Whole Amount	Expended during Fiscal Year	Total Expended to Date	Balance at End of Year
Officer's Cottage	1929	\$6,000.00	\$4,069.80	\$5,950.99	\$49.01*
Salvage yard	1929	3,000.00	1,877.50	2,981.96	18.04*
Buildings farm colony	1930	105,000.00	79,844.15	79,844.15	25,155.85
Employees' building and nurses' home	1929-1930	192,500.00	107,789.71	186,879.68	5,620.32
Furnishings, employees' building	1930	11,000.00	10,803.52	10,803.52	196.48
Furnishings, officers' cottage	1930	1,500.00	819.39	819.39	680.61
Paint shop	1930	2,000.00	—	—	2,000.00
Verandas female wards	1930	35,000.00	—	—	35,000.00
Renovation of ward C	1931	7,000.00	6,999.37	6,999.37	.63
Replacing stairs and installing grilles	1931	4,700.00	4,365.62	4,365.62	334.38
Furnishings, nurses' home	1931	4,600.00	4,426.52	4,426.52	173.48
Grading	1931	3,000.00	3,000.00	3,000.00	—
Power equipment	1931	9,000.00	2,124.40	2,124.40	6,875.60
		\$384,300.00	\$226,119.98	\$308,195.60	\$76,104.40

Balance reverting to Treasury of the Commonwealth during year (mark item with*)	\$67.05
Balance carried to next year	76,037.35
Total as above	\$76,104.40



## PER CAPITA

During the year the average number of inmates has been, 1,034.286.

Total cost of maintenance, \$407,732.03.

Equal to a weekly per capita cost of \$7.5810.

Receipt from sales, \$1,827.65.

Equal to a weekly per capita of \$0.339.

All other institution receipts, \$58,077.21.

Equal to a weekly per capita of \$1.0798.

Net weekly per capita \$6.4673.

Respectfully submitted,  
HARRIETT S. BAYLEY,  
*Treasurer.*

## STATISTICAL TABLES

As Adopted by the American Psychiatric Association  
Prescribed by the Massachusetts Department of Mental Diseases

TABLE 1. *General Information*

Data correct at end of hospital year, November 30, 1931

1. Date of opening as a hospital for mental diseases, June 1, 1914.

2. Type of hospital: State.

3. Hospital plant:

Value of hospital property, real estate, including buildings . . . . . \$1,944,405.29

Personal property . . . . . 302,655.39

Total . . . . . \$2,247,060.68

Total acreage of hospital property owned, 352.4.

Additional acreage rented, 8.

Total acreage under cultivation during previous year, 66.5.

4. Officers and employees:

	Actually in Service at End of Year			Vacancies at End of Year		
	M.	F.	T.	M.	F.	T.
Superintendents . . . . .	1	—	1	—	—	—
Assistant physicians . . . . .	3	1	4	1	—	1
Assistant superintendent . . . . .	1	—	1	—	—	—
Total physicians . . . . .	5	1	6	1	—	1
Stewards . . . . .	1	—	1	—	—	—
Resident dentists . . . . .	—	—	—	1	—	1
Pharmacists . . . . .	1	—	1	—	—	—
Graduate nurses . . . . .	—	11	11	—	1	1
Other nurses and attendants . . . . .	50	45	95	—	—	—
Occupational therapists . . . . .	—	3	3	—	—	—
Social workers . . . . .	—	2	2	—	—	—
All other officers and employees . . . . .	51	42	93	—	2	2
Total officers and employees . . . . .	108	104	212	2	3	5

NOTE: — The following items, 5-10 inclusive, are for the year ended September 30, 1931.

5. Census of patient population at end of year:

	Actually in Hospital			Absent from Hospital but Still on Books		
	M.	F.	T.	M.	F.	T.
White:						
Insane . . . . .	424	547	971	53	34	87
Mental defectives . . . . .	13	7	20	—	—	—
All other cases . . . . .	1	—	1	1	—	1
Total . . . . .	438	554	992	54	34	88
Other races:						
Insane . . . . .	30	23	53	1	1	2
Total . . . . .	30	23	53	1	1	2
Grand Total . . . . .	468	577	1,045	55	35	90
			Males	Females		Total

6. Patients under treatment in occupational-therapy classes, including physical training, on date of report . . . . . 62

7. Other patients employed in general work of hospital on date of report . . . . . 292

8. Average daily number of all patients actually in hospital during year . . . . . 465.711

9. Voluntary patients admitted during year . . . . . 2

10. Persons given advice or treatment in out-patient clinics during year . . . . . 93

TABLE 2. *Financial Statement*

See Treasurer's Report for data requested under this table.

NOTE: — The following tables 3-18, inclusive, are for the statistical year ended September 30, 1931.

TABLE 3. *Movement of Patient Population*

	Regular Court Commitment (Insane)			Volun- tary	Tempo- rary Care	Observa- tion	Total on Books					
	M.	F.	T.				M.	F.	T.			
1. Patients on books of Institution September 30, 1930 . . . . .	555	599	1,154	1	1	2	—	—	—	558	601	1,159
2. Admissions during year:												
First Admissions . . . . .	76	67	143	—	—	—	3	3	6	94	76	170
Readmissions . . . . .	15	22	37	1	2	3	—	—	—	22	29	51
Transfers from other hospitals for mental diseases . . . . .	7	13	20	—	—	—	—	—	—	7	13	20
3. Total received during year . . . . .	98	102	200	1	2	3	3	3	6	123	118	241
4. Total on books during year . . . . .	653	701	1,354	2	3	5	3	3	6	681	719	1,400
5. Discharged from books during year:												
As recovered . . . . .	13	8	21	—	1	1	1	—	1	27	10	37
As improved . . . . .	44	31	75	—	—	—	—	—	—	45	34	79
As unimproved . . . . .	11	3	14	—	—	—	—	1	1	11	5	16
As without psychosis . . . . .	2	—	2	—	1	1	2	2	4	9	8	17
Transferred to other hospitals for mental diseases . . . . .	30	9	39	—	—	—	—	—	—	30	9	39
Died during year . . . . .	36	40	76	—	—	—	—	—	—	36	41	77
6. Total discharged, transferred and died during year . . . . .	136	91	227	—	2	2	3	3	6	158	107	265
7. Insane patients remaining on books of hospital at end of hospital year:												
In hospital . . . . .	463	575	1,038	2	1	3	—	—	—	468	577	1,045
On parole or otherwise absent . . . . .	54	35	89	—	—	—	—	—	—	55	35	90
Total . . . . .	517	610	1,127	2	1	3	—	—	—	523	612	1,135

TABLE 4. *Nativity of First Admissions and of Parents of First Admissions*

NATIVITY	PATIENTS			PARENTS OF MALE PATIENTS			PARENTS OF FEMALE PATIENTS		
	M.	F.	T.	Fathers	Mothers	Both Parents	Fathers	Mothers	Both Parents
United States . . .	38	43	81	19	19	17	24	24	21
Canada <sup>1</sup> . . .	7	6	13	9	8	8	9	9	7
Cuba . . .	—	1	1	—	—	—	1	1	1
Denmark . . .	1	—	1	1	1	1	—	—	—
England . . .	3	3	6	2	3	2	4	3	2
Finland . . .	—	—	—	1	—	—	—	1	—
France . . .	1	—	1	—	1	—	1	1	1
Germany . . .	1	2	3	2	2	2	4	3	4
Greece . . .	2	—	2	2	2	2	—	—	—
Ireland . . .	10	1	11	19	17	17	5	5	4
Italy . . .	3	5	8	6	6	6	5	5	5
Norway . . .	1	—	1	1	1	1	—	—	—
Poland . . .	—	1	1	1	1	1	1	1	1
Portugal . . .	1	—	1	2	2	2	1	1	1
Russia . . .	5	—	5	7	5	5	2	2	2
Scotland . . .	—	—	—	—	2	—	—	1	—
South America . . .	1	—	1	—	1	—	—	—	—
Sweden . . .	2	2	4	4	5	4	5	5	4
Other countries . . .	—	2	2	—	—	—	2	2	2
Unascertained . . .	—	1	1	—	—	—	3	3	3
Total . . .	76	67	143	76	76	68	67	67	58

<sup>1</sup>Includes Newfoundland.

TABLE 4-A. Age of First Admissions Classified with Reference to Nativity, and Length of Residence in the United States of the Foreign Born.

Age Groups	Aggregate	NATIVE BORN				FOREIGN BORN							
		Total	PARENTAGE				Total	TIME IN UNITED STATES BEFORE ADMISSION					
			Native	Foreign	Mixed	Unascertained		Under 5 years	5-9 years	10-14 years	15 years and over		
	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	
Under 15 years . . .	1	1	1	1	1	1	1	1	1	1	1	1	
15-19 years . . .	3	3	6	9	3	3	3	3	3	3	3	3	
20-24 years . . .	6	6	11	17	3	3	2	5	1	1	1	1	
25-29 years . . .	5	4	9	2	2	4	2	5	1	1	1	1	
30-34 years . . .	9	4	13	6	2	4	2	1	3	4	1	3	
35-39 years . . .	5	5	10	4	2	6	1	4	1	1	1	2	
40-44 years . . .	4	3	7	3	1	4	1	4	1	1	1	2	
45-49 years . . .	8	7	15	1	3	4	1	3	4	1	1	3	
50-54 years . . .	6	6	12	2	4	4	1	7	4	1	2	6	
55-59 years . . .	4	5	9	2	5	7	1	8	2	1	2	3	
60-64 years . . .	12	1	13	6	4	6	1	7	2	1	2	2	
65-69 years . . .	6	6	12	3	4	2	1	6	1	1	1	6	
70 years and over . .	8	11	19	3	7	10	2	9	1	1	1	5	
Total . . .	76	67	143	38	43	81	17	21	38	2	4	6	



TABLE 5. *Citizenship of First Admissions*

	Males	Females	Total
Citizens by birth . . . . .	38	43	81
Citizens by naturalization . . . . .	20	10	30
Aliens . . . . .	15	13	28
Citizenship unascertained . . . . .	3	1	4
Total . . . . .	76	67	143

TABLE 6. *Psychoses of First Admissions*

PSYCHOSES	M.	F.	T.	M.	F.	T.
1. Traumatic psychoses . . . . .	—	—	—	—	—	—
2. Senile psychoses . . . . .	4	8	12	4	8	12
3. Psychoses with cerebral arteriosclerosis . . . . .	10	6	16	10	6	16
4. General paralysis . . . . .	6	2	8	6	2	8
5. Psychoses with cerebral syphilis . . . . .	5	—	5	5	—	5
6. Psychoses with Huntington's chorea . . . . .	—	—	—	—	—	—
7. Psychoses with brain tumor . . . . .	—	—	—	—	—	—
8. Psychoses with other brain or nervous diseases, other diseases . . . . .	4	3	7	4	3	7
9. Alcoholic psychoses, total . . . . .	6	—	6	6	—	6
Acute hallucinosis . . . . .	2	—	2	2	—	2
Other types, acute or chronic . . . . .	4	—	4	4	—	4
10. Psychoses due to drugs and other exogenous toxins, total . . . . .	—	—	—	—	—	—
11. Psychoses with pellagra . . . . .	—	—	—	—	—	—
12. Psychoses with other somatic diseases, other diseases or conditions . . . . .	2	2	4	2	2	4
13. Manic-depressive psychoses, total . . . . .	11	10	21	11	10	21
Manic type . . . . .	4	3	7	4	3	7
Depressive type . . . . .	7	6	13	7	6	13
Other types . . . . .	—	1	1	—	1	1
14. Involution melancholia . . . . .	2	5	7	2	5	7
15. Dementia praecox (schizophrenia) . . . . .	20	23	43	20	23	43
16. Paranoia and paranoid conditions . . . . .	1	2	3	1	2	3
17. Epileptic psychoses . . . . .	—	1	1	—	1	1
18. Psychoneuroses and neuroses, total . . . . .	2	1	3	2	1	3
Hysterical type . . . . .	—	1	1	—	1	1
Psychasthenic type (anxiety and obsessive forms) . . . . .	1	—	1	1	—	1
Neurasthenic type . . . . .	1	—	1	1	—	1
19. Psychoses with psychopathic personality . . . . .	—	1	1	—	1	1
20. Psychoses with mental deficiency . . . . .	2	3	5	2	3	5
21. Undiagnosed psychoses . . . . .	1	—	1	1	—	1
22. Without psychosis, total . . . . .	—	—	—	—	—	—
Total . . . . .	76	67	143	76	67	143

TABLE 7. *Race of First Admissions Classified with Reference to Principal Psychoses*

RACE	Total			Senile			With cerebral arterio-sclerosis			General paralysis			With cerebral syphilis		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	1	3	4	—	—	—	—	—	—	—	—	—	1	—	1
Armenian	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
East Indian	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
English	17	22	39	—	4	4	7	2	9	1	1	2	—	—	—
French	2	5	7	—	1	1	—	1	1	—	—	—	—	—	—
German	2	4	6	—	—	—	—	1	1	—	—	—	—	—	—
Greek	2	—	2	—	—	—	—	—	—	2	—	2	—	—	—
Hebrew	6	3	9	—	—	—	—	—	—	1	1	2	—	—	—
Irish	24	9	33	2	1	3	1	—	1	1	—	1	2	—	2
Italian <sup>1</sup>	6	5	11	—	—	—	—	1	1	1	—	1	1	—	1
Portuguese	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—
Scandinavian <sup>2</sup>	7	5	12	1	1	2	—	1	1	—	—	—	1	—	1
Scotch	2	1	3	1	—	1	1	—	1	—	—	—	—	—	—
Slavonic <sup>3</sup>	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
Spanish	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
Other specific races	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
Mixed	4	6	10	—	1	1	1	—	1	—	—	—	—	—	—
Total	76	67	143	4	8	12	10	6	16	6	2	8	5	—	5

TABLE 7. *Race of First Admissions Classified with Reference to Principal Psychoses — Continued*

RACE	With other brain or nervous diseases			Alcoholic			With other somatic diseases			Manic-depressive			Involution melancholia			Dementia praecox		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	2	2
Armenian	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1
East Indian	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
English	2	1	3	2	—	2	1	1	2	2	4	6	—	3	3	2	6	8
French	—	—	—	1	—	1	—	1	1	—	—	—	—	—	—	—	2	2
German	—	—	—	—	—	—	1	—	1	—	1	1	—	—	—	1	2	3
Greek	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hebrew	—	—	—	—	—	—	—	—	—	2	—	2	—	—	—	3	1	4
Irish	1	1	2	2	—	2	—	—	—	4	2	6	1	1	2	9	2	11
Italian <sup>1</sup>	—	—	—	—	—	—	—	—	—	1	—	1	—	1	1	1	3	4
Portuguese	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Scandinavian <sup>2</sup>	—	—	—	1	—	1	—	—	—	—	1	1	1	—	1	2	1	3
Scotch	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Slavonic <sup>3</sup>	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—
Spanish	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1
Other specific races	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1
Mixed	1	1	2	—	—	—	—	—	—	1	1	2	—	—	—	—	1	1
Total	4	3	7	6	—	6	2	2	4	11	10	21	2	5	7	20	23	43

<sup>1</sup>Includes "North" and "South."<sup>2</sup>Norwegians, Danes and Swedes.<sup>3</sup>Includes Bohemian, Bosnian, Croatian, Dalmatian, Herzegovinian, Montenegrin, Moravian, Polish, Russian, Ruthenian, Servian, Slovak, Slovenian.

TABLE 7. *Race of First Admissions Classified with Reference to Principal Psychoses — Concluded*

RACE	Paranoia and paranoid conditions			Epileptic psychoses			Psycho-neuroses and neuroses			With psychopathic personality			With mental deficiency			Undiagnosed psychoses		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Armenian	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
East Indian	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
English	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
French	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—
German	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Greek	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hebrew	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—
Irish	1	—	1	—	—	—	—	1	1	—	—	—	—	1	1	—	—	—
Italian <sup>1</sup>	—	—	—	—	—	—	—	1	—	1	—	—	1	—	1	—	—	—
Portuguese	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—
Scandinavian <sup>2</sup>	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Scotch	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Slavonic <sup>3</sup>	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Spanish	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other specific races	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mixed	—	—	—	—	1	1	1	—	1	—	1	—	—	—	—	—	—	—
Total	1	2	3	—	1	1	2	1	3	—	1	1	2	3	5	1	—	1

<sup>1</sup>Includes "North" and "South."<sup>2</sup>Norwegians, Danes and Swedes.<sup>3</sup>Includes Bohemian, Bosnian, Croatian, Dalmatian, Herzegovinian, Montenegrin, Moravian, Polish, Russian, Ruthenian, Servian, Slovak, Slovenian.TABLE 8. *Age of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			Under 15 years			15-19 years			20-24 years		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile	4	8	12	—	—	—	—	—	—	—	—	—
3. With cerebral arteriosclerosis	10	6	16	—	—	—	—	—	—	—	—	—
4. General paralysis	6	2	8	—	—	—	—	—	—	—	—	—
5. With cerebral syphilis	5	—	5	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	4	3	7	—	—	—	—	—	—	—	—	—
9. Alcoholic	6	—	6	—	—	—	—	—	—	—	—	—
10. Due to drugs and other exogenous toxins	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	2	2	4	—	—	—	—	—	—	—	—	—
13. Manic-depressive	11	10	21	—	—	—	2	2	—	2	1	3
14. Involution melancholia	2	5	7	—	—	—	—	—	—	—	—	—
15. Dementia praecox	20	23	43	—	—	—	3	2	5	4	2	6
16. Paranoia and paranoid conditions	1	2	3	—	—	—	—	—	—	—	2	2
17. Epileptic psychoses	—	1	1	—	—	—	—	—	—	—	1	1
18. Psychoneuroses and neuroses	2	1	3	—	—	—	—	1	1	—	—	—
19. With psychopathic personality	—	1	1	—	1	1	—	—	—	—	—	—
20. With mental deficiency	2	3	5	—	—	—	—	2	2	—	1	1
21. Undiagnosed psychoses	1	—	1	—	—	—	—	—	—	—	—	—
22. Without psychosis	—	—	—	—	—	—	—	—	—	—	—	—
Total	76	67	143	—	1	1	3	7	10	6	7	13

TABLE 8. *Age of First Admissions Classified with Reference to Principal Psychoses — Continued*

PSYCHOSES	25-29 years			30-34 years			35-39 years			40-44 years			45-49 years		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2. Senile . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3. With cerebral arteriosclerosis . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
4. General paralysis . . . . .	-	-	-	1	-	1	1	1	2	-	-	-	2	1	3
5. With cerebral syphilis . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	2	-	2
6. With Huntington's chorea . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9. Alcoholic . . . . .	-	-	-	-	-	-	-	-	-	2	-	2	2	-	2
10. Due to drugs and other exogenous toxins . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13. Manic-depressive . . . . .	3	-	3	-	2	2	-	-	-	1	-	1	2	1	3
14. Involution melancholia . . . . .	-	-	-	-	-	-	1	-	1	-	-	-	-	2	2
15. Dementia praecox . . . . .	2	4	6	5	2	7	3	4	7	-	3	3	-	2	2
16. Paranoia and paranoid conditions . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17. Epileptic psychoses . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18. Psychoneuroses and neuroses . . . . .	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
19. With psychopathic personality . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20. With mental deficiency . . . . .	-	-	-	1	-	1	-	-	-	1	-	1	-	-	-
21. Undiagnosed psychoses . . . . .	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
22. Without psychosis . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total . . . . .	5	4	9	9	4	13	5	5	10	4	3	7	8	7	15

TABLE 8. *Age of First Admissions Classified with Reference to Principal Psychoses — Concluded*

PSYCHOSES	50-54 years			55-59 years			60-64 years			65-69 years			70 years and over		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2. Senile . . . . .	-	-	-	-	-	-	1	-	1	-	1	1	3	7	10
3. With cerebral arteriosclerosis . . . . .	-	1	1	-	-	-	5	-	5	1	2	3	4	2	6
4. General paralysis . . . . .	-	-	-	1	-	1	-	-	-	1	-	1	-	-	-
5. With cerebral syphilis . . . . .	1	-	1	-	-	-	2	-	2	-	-	-	-	-	-
6. With Huntington's chorea . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases . . . . .	1	-	1	-	1	1	3	-	3	-	1	1	-	1	1
9. Alcoholic . . . . .	-	-	-	1	-	1	-	-	-	1	-	1	-	-	-
10. Due to drugs and other exogenous toxins . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases . . . . .	-	-	-	-	1	1	-	1	1	1	-	1	1	-	1
13. Manic-depressive . . . . .	1	2	3	-	1	1	-	-	-	2	1	3	-	-	-
14. Involution melancholia . . . . .	-	2	2	-	1	1	1	-	1	-	-	-	-	-	-
15. Dementia praecox . . . . .	2	1	3	1	1	2	-	-	-	-	1	1	-	1	1
16. Paranoia and paranoid conditions . . . . .	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
17. Epileptic psychoses . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18. Psychoneuroses and neuroses . . . . .	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
19. With psychopathic personality . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20. With mental deficiency . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21. Undiagnosed psychoses . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22. Without psychosis . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total . . . . .	6	6	12	4	5	9	12	1	13	6	6	12	8	11	19





TABLE 10. *Environment of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			Urban			Rural		
	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic . . . . .	—	—	—	—	—	—	—	—	—
2. Senile . . . . .	4	8	12	4	8	12	—	—	—
3. With cerebral arteriosclerosis . . . . .	10	6	16	9	6	15	1	—	1
4. General paralysis . . . . .	6	2	8	6	2	8	—	—	—
5. With cerebral syphilis . . . . .	5	—	5	5	—	5	—	—	—
6. With Huntington's chorea . . . . .	—	—	—	—	—	—	—	—	—
7. With brain tumor . . . . .	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases . . . . .	4	3	7	4	3	7	—	—	—
9. Alcoholic . . . . .	6	—	6	6	—	6	—	—	—
10. Due to drugs and other exogenous toxins . . . . .	—	—	—	—	—	—	—	—	—
11. With pellagra . . . . .	—	—	—	—	—	—	—	—	—
12. With other somatic diseases . . . . .	2	2	4	2	2	4	—	—	—
13. Manic-depressive . . . . .	11	10	21	11	10	21	—	—	—
14. Involution melancholia . . . . .	2	5	7	2	5	7	—	—	—
15. Dementia praecox . . . . .	20	23	43	20	23	43	—	—	—
16. Paranoia and paranoid conditions . . . . .	1	2	3	1	2	3	—	—	—
17. Epileptic psychoses . . . . .	—	1	1	—	1	1	—	—	—
18. Psychoneuroses and neuroses . . . . .	2	1	3	2	1	3	—	—	—
19. With psychopathic personality . . . . .	—	1	1	—	1	1	—	—	—
20. With mental deficiency . . . . .	2	3	5	1	3	4	1	—	1
21. Undiagnosed psychoses . . . . .	1	—	1	1	—	1	—	—	—
22. Without psychosis . . . . .	—	—	—	—	—	—	—	—	—
Total . . . . .	76	67	143	74	67	141	2	—	2

TABLE 11. *Economic Condition of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			Dependent			Marginal			Comfortable			Unascertained		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile . . . . .	4	8	12	—	2	2	4	3	7	—	3	3	—	—	—
3. With cerebral arteriosclerosis . . . . .	10	6	16	1	4	5	6	2	8	3	—	3	—	—	—
4. General paralysis . . . . .	6	2	8	2	—	2	4	2	6	—	—	—	—	—	—
5. With cerebral syphilis . . . . .	5	—	5	1	—	1	4	—	4	—	—	—	—	—	—
6. With Huntington's chorea . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain-tumor . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases . . . . .	4	3	7	—	—	—	4	2	6	—	—	—	—	1	1
9. Alcoholic . . . . .	6	—	6	—	—	—	6	—	6	—	—	—	—	—	—
10. Due to drugs and other exogenous toxins . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases . . . . .	2	2	4	—	—	—	1	2	3	1	—	1	—	—	—
13. Manic-depressive . . . . .	11	10	21	—	—	—	9	4	13	2	6	8	—	—	—
14. Involution melancholia . . . . .	2	5	7	—	—	—	2	3	5	—	2	2	—	—	—
15. Dementia praecox . . . . .	20	23	43	1	2	3	16	15	31	3	6	9	—	—	—
16. Paranoia and paranoid conditions . . . . .	1	2	3	—	—	—	1	1	2	—	1	1	—	—	—
17. Epileptic psychoses . . . . .	—	1	1	—	1	1	—	—	—	—	—	—	—	—	—
18. Psychoneuroses and neuroses . . . . .	2	1	3	—	—	—	2	1	3	—	—	—	—	—	—
19. With psychopathic personality . . . . .	—	1	1	—	—	—	—	1	1	—	—	—	—	—	—
20. With mental deficiency . . . . .	2	3	5	—	1	1	2	2	4	—	—	—	—	—	—
21. Undiagnosed psychoses . . . . .	1	—	1	—	—	—	1	—	1	—	—	—	—	—	—
22. Without psychosis . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total . . . . .	76	67	143	5	10	15	62	38	100	9	18	27	—	1	1

TABLE 12. *Use of Alcohol by First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			Abstinent			Temperate			Intemperate			Unascertained		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile . . . . .	4	8	12	1	7	8	3	1	4	—	—	—	—	—	—
3. With cerebral arteriosclerosis . . . . .	10	6	16	5	4	9	1	1	2	3	—	3	1	1	2
4. General paralysis . . . . .	6	2	8	4	2	6	2	—	2	—	—	—	—	—	—
5. With cerebral syphilis . . . . .	5	—	5	—	—	—	4	—	4	—	—	—	1	—	1
6. With Huntington's chorea . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases . . . . .	4	3	7	2	2	4	2	—	2	—	—	—	—	1	1
9. Alcoholic . . . . .	6	—	6	—	—	—	—	—	—	6	—	6	—	—	—
10. Due to drugs and other exogenous toxins . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases . . . . .	2	2	4	—	2	2	1	—	1	1	—	1	—	—	—
13. Manic-depressive . . . . .	11	10	21	4	8	12	3	2	5	3	—	3	1	—	1
14. Involution melancholia . . . . .	2	5	7	1	3	4	1	1	2	—	1	1	—	—	—
15. Dementia praecox . . . . .	20	23	43	12	17	29	4	3	7	3	2	5	1	1	2
16. Paranoia and paranoid conditions . . . . .	1	2	3	1	2	3	—	—	—	—	—	—	—	—	—
17. Epileptic psychoses . . . . .	—	1	1	—	1	1	—	—	—	—	—	—	—	—	—
18. Psychoneuroses and neuroses . . . . .	2	1	3	—	1	1	—	1	1	1	—	1	—	—	—
19. With psychopathic personality . . . . .	—	1	1	—	1	1	—	—	—	—	—	—	—	—	—
20. With mental deficiency . . . . .	2	3	5	—	3	3	1	—	1	1	—	1	—	—	—
21. Undiagnosed psychoses . . . . .	1	—	1	1	—	1	—	—	—	—	—	—	—	—	—
22. Without psychosis . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total . . . . .	76	67	143	31	53	84	23	8	31	18	3	21	4	3	7

TABLE 13. *Marital Condition of First Admissions Classified with Reference to Principal Psychoses.*

PSYCHOSES	Total			Single			Married			Widowed			Separated			Divorced			Unascertained
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	
1. Traumatic . . . . .	4	8	12	-	-	-	3	2	5	-	1	5	-	-	-	-	-	-	-
2. Senile . . . . .	10	6	16	2	-	2	5	4	9	3	3	2	-	-	-	1	1	-	-
3. With cerebral arteriosclerosis . . . . .	6	2	8	1	1	2	4	1	5	1	-	-	-	-	-	-	-	-	-
4. General paralysis . . . . .	5	-	5	3	-	3	2	-	-	-	-	-	-	-	-	-	-	-	-
5. With cerebral syphilis . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6. With Huntington's chorea . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor . . . . .	4	3	7	-	-	-	2	1	3	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases . . . . .	6	-	6	3	-	3	2	-	-	1	1	2	-	-	-	-	-	1	1
9. Alcoholic . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10. Due to drugs and other exogenous toxins . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra . . . . .	2	2	4	-	-	-	-	-	-	2	-	2	-	-	-	-	-	-	-
12. With other somatic diseases . . . . .	11	10	21	5	3	8	5	7	12	-	-	-	1	1	1	-	-	-	-
13. Manic-depressive . . . . .	2	5	7	-	-	-	2	4	6	-	-	-	-	-	-	-	-	-	-
14. Involution melancholia . . . . .	20	23	43	18	6	24	2	13	15	-	1	1	-	2	2	-	-	-	-
15. Dementia praecox . . . . .	1	2	3	1	1	2	-	-	-	-	-	-	-	1	1	-	-	-	-
16. Paranoia and paranoid conditions . . . . .	-	1	1	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
17. Epileptic psychoses . . . . .	2	1	3	-	-	-	2	-	2	-	-	-	-	-	-	-	-	-	-
18. Psychoneuroses and neuroses . . . . .	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19. With psychopathic personality . . . . .	2	3	5	1	1	2	1	-	1	-	-	-	-	-	-	-	-	-	-
20. With mental deficiency . . . . .	1	-	1	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-
21. Undiagnosed psychoses . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22. Without psychosis . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total . . . . .	76	67	143	35	18	53	31	32	63	9	11	20	1	4	5	-	1	1	1

TABLE 14. *Psychoses of Readmissions*

PSYCHOSES	M.	F.	T.
1. Traumatic psychoses . . . . .	—	—	—
2. Senile psychoses . . . . .	1	—	1
3. Psychoses with cerebral arteriosclerosis . . . . .	2	—	2
4. General paralysis . . . . .	1	—	1
5. Psychoses with cerebral syphilis . . . . .	—	—	—
6. Psychoses with Huntington's chorea . . . . .	—	—	—
7. Psychoses with brain tumor . . . . .	—	—	—
8. Psychoses with other brain or nervous diseases . . . . .	—	1	1
9. Alcoholic psychoses . . . . .	—	—	—
10. Psychoses due to drugs and other exogenous toxins . . . . .	—	—	—
11. Psychoses with pellagra . . . . .	—	—	—
12. Psychoses with other somatic diseases . . . . .	—	—	—
13. Manic-depressive psychoses . . . . .	5	10	15
14. Involution melancholia . . . . .	1	1	2
15. Dementia praecox . . . . .	5	8	13
16. Paranoia and paranoid conditions . . . . .	—	—	—
17. Epileptic psychoses . . . . .	—	1	1
18. Psychoneuroses and neuroses . . . . .	—	—	—
19. Psychoses with psychopathic personality . . . . .	—	1	1
20. Psychoses with mental deficiency . . . . .	—	—	—
21. Undiagnosed psychoses . . . . .	—	—	—
22. Without psychosis . . . . .	—	—	—
Total . . . . .	15	22	37

TABLE 15. *Discharges of Patients Classified with Reference to Principal Psychoses and Condition on Discharge*

PSYCHOSES	Total			Recovered			Improved			Unimproved		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic . . . . .	—	1	1	—	—	—	—	1	1	—	—	—
2. Senile . . . . .	—	1	1	—	—	—	—	1	1	—	—	—
3. With cerebral arteriosclerosis . . . . .	2	1	3	—	—	—	2	1	3	—	—	—
4. General paralysis . . . . .	3	1	4	—	—	—	3	—	3	—	1	1
5. With cerebral syphilis . . . . .	2	1	3	—	—	—	2	1	3	—	—	—
6. With Huntington's chorea . . . . .	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor . . . . .	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases . . . . .	2	—	2	—	—	—	2	—	2	—	—	—
9. Alcoholic . . . . .	12	1	13	5	—	5	6	1	7	1	—	1
10. Due to drugs and other exogenous toxins . . . . .	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra . . . . .	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases . . . . .	—	1	1	—	—	—	—	1	1	—	—	—
13. Manic-depressive . . . . .	12	18	30	7	8	15	5	10	15	—	—	—
14. Involution melancholia . . . . .	2	1	3	—	—	—	2	1	3	—	—	—
15. Dementia praecox . . . . .	25	12	37	—	—	—	19	10	29	6	2	8
16. Paranoia and paranoid conditions . . . . .	2	2	4	—	—	—	1	2	3	1	—	1
17. Epileptic psychoses . . . . .	1	—	1	—	—	—	1	—	1	—	—	—
18. Psychoneuroses and neuroses . . . . .	1	1	2	—	—	—	—	1	1	1	—	1
19. With psychopathic personality . . . . .	3	1	4	1	—	1	1	1	2	1	—	1
20. With mental deficiency . . . . .	—	—	—	—	—	—	—	—	—	—	—	—
21. Undiagnosed psychoses . . . . .	1	—	1	—	—	—	—	—	—	1	—	1
22. Without psychosis . . . . .	2	—	2	—	—	—	—	—	—	—	—	—
Total . . . . .	70	42	112	13	8	21	44	31	75	11	3	14



TABLE 16. Causes of Death of Patients Classified with Reference to Principal Psychoses

CAUSES OF DEATH	Total		Senile		With cerebral arterio-sclerosis		General paralysis		Alcoholic		Manic-depressive	
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
<i>Epidemic, Endemic and Infectious Diseases</i>												
Tuberculosis of the respiratory system . . . . .	3	3	6	-	-	-	-	-	-	-	-	-
<i>General Diseases Not Included in Class I</i>												
Cancer and other malignant tumors . . . . .	6	4	10	1	-	1	-	-	1	-	-	-
Diabetes . . . . .	1	1	2	-	-	-	-	-	-	-	-	-
<i>Diseases of the Nervous System</i>												
General paralysis of the insane . . . . .	5	3	8	-	-	-	5	3	8	-	-	-
Other forms of mental disease . . . . .	1	-	1	-	-	-	-	-	-	-	-	-
Epilepsy . . . . .	1	-	1	-	-	-	-	-	-	-	-	-
<i>Diseases of the Circulatory System</i>												
Endocarditis and myocarditis . . . . .	3	16	19	1	7	8	-	1	1	-	1	1
Arteriosclerosis . . . . .	10	8	18	3	2	5	6	5	11	-	-	-
<i>Diseases of the Respiratory System</i>												
Bronchopneumonia . . . . .	1	3	4	-	2	2	-	-	-	-	-	-
Lobar pneumonia . . . . .	3	-	3	1	-	1	-	-	-	1	-	-
<i>Diseases of the Digestive System</i>												
Hernia and intestinal obstruction . . . . .	1	-	1	-	-	-	-	-	-	-	-	-
Other diseases of intestines . . . . .	1	-	1	-	-	-	-	-	-	-	-	-
<i>External Causes</i>												
Suicide . . . . .	-	1	1	-	-	-	-	-	-	-	-	-
Other external causes . . . . .	-	1	1	-	-	-	-	-	-	-	-	-
Total . . . . .	36	40	76	6	11	17	9	6	15	4	-	1

\*Includes group 22 "without psychosis."

TABLE 16. *Causes of Death of Patients Classified with Reference to Principal Psychoses — Concluded.*

CAUSES OF DEATH	Involution melancholia		Dementia praecox		Epileptic psychoses		Psycho- neuroses and neuroses		With psycho- pathic personality		*All Other psychoses	
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
<i>Epidemic, Endemic and Infectious Diseases</i>												
Tuberculosis of the respiratory system	-	1	1	3	2	5	-	-	-	-	-	-
<i>General Diseases Not Included in Class I</i>												
Cancer and other malignant tumors	-	-	-	1	1	2	-	1	1	-	2	2
Diabetes	-	-	-	-	-	-	-	-	-	-	1	1
<i>Diseases of the Nervous System</i>												
General paralysis of the insane	-	-	-	-	-	-	-	-	-	-	-	-
Other forms of mental disease	-	-	-	-	-	-	-	-	-	-	-	-
Epilepsy	-	-	-	-	-	1	-	-	-	-	-	-
<i>Diseases of the Circulatory System</i>												
Endocarditis and myocarditis	-	3	3	-	3	3	-	-	-	-	1	1
Arteriosclerosis	-	-	-	1	-	1	-	1	1	-	-	-
<i>Diseases of the Respiratory System</i>												
Bronchopneumonia	-	1	1	1	1	1	-	-	-	-	-	-
Lobar pneumonia	-	-	-	-	-	-	-	-	-	-	-	-
<i>Diseases of the Digestive System</i>												
Hernia and intestinal obstruction	-	-	-	1	1	1	-	-	-	-	-	-
Other diseases of intestines	-	-	-	-	-	-	-	-	-	-	-	-
<i>External Causes</i>												
Suicide	-	-	-	-	-	-	-	-	-	1	1	1
Other external causes	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	5	5	9	6	15	-	2	2	-	2	5

\*Includes group 22 "without psychosis."

TABLE 17. Age of Patients at Time of Death Classified with Reference to Principal Psychoses

PSYCHOSES	Total			15-19 years		20-24 years		25-29 years		30-34 years		35-39 years				
				M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	
1. Traumatic . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2. Senile . . . . .	6	11	17	-	-	-	-	-	-	-	-	-	-	-	-	
3. With cerebral arteriosclerosis . . . . .	9	6	15	-	-	-	-	-	-	-	-	-	-	-	-	
4. General paralysis . . . . .	5	3	8	-	-	-	-	-	-	-	1	-	1	2	3	
5. With cerebral syphilis . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
6. With Huntington's chorea . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
7. With brain tumor . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
8. With other brain or nervous diseases . . . . .	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	
9. Alcoholic . . . . .	4	-	4	-	-	-	-	-	-	-	-	-	-	-	-	
10. Due to drugs and other exogenous toxins . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
11. With pellagra . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
12. With other somatic diseases . . . . .	1	3	4	-	1	1	-	-	-	-	-	-	-	-	-	
13. Manic-depressive . . . . .	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	
14. Involution melancholia . . . . .	-	5	5	-	5	5	-	-	-	-	-	-	-	-	-	
15. Dementia praecox . . . . .	9	6	15	-	-	-	1	1	1	1	2	2	-	1	1	
16. Paranoia and paranoid conditions . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
17. Epileptic psychoses . . . . .	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
18. Psychoneuroses and neuroses . . . . .	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	
19. With psychopathic personality . . . . .	-	1	1	-	-	-	1	1	-	-	-	-	-	-	-	
20. With mental deficiency . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
21. Undiagnosed psychoses . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
22. Without psychosis . . . . .	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
Total . . . . .	36	40	76	-	1	1	1	1	1	-	1	3	-	1	3	4

TABLE 17. Age of Patients at Time of Death Classified with Reference to Principal Psychoses — Concluded

PSYCHOSES	40-44 years		45-49 years		50-54 years		55-59 years		60-64 years		65-69 years		70 years and over	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
1. Traumatic . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2. Senile . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3. With cerebral arteriosclerosis . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4. General paralysis . . . . .	-	-	1	1	1	1	-	-	3	1	1	1	4	3
5. With cerebral syphilis . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6. With Huntington's chorea . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases . . . . .	-	-	-	-	-	-	1	1	1	1	-	-	-	-
9. Alcoholic . . . . .	-	-	-	-	2	-	1	1	-	-	1	-	-	-
10. Due to drugs and other exogenous toxins . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases . . . . .	-	-	-	-	-	-	1	1	-	1	1	-	-	-
13. Manic-depressive . . . . .	-	-	-	-	-	-	1	1	-	-	-	-	-	-
14. Involution melancholia . . . . .	-	-	-	-	-	2	2	2	-	-	1	1	-	-
15. Dementia praecox . . . . .	2	1	1	1	2	-	1	2	3	-	1	1	1	1
16. Paranoia and paranoid conditions . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17. Epileptic psychoses . . . . .	-	-	-	-	-	-	1	-	-	-	-	-	-	-
18. Psychoneuroses and neuroses . . . . .	-	-	-	-	-	1	1	-	-	-	-	-	1	1
19. With psychopathic personality . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20. With mental deficiency . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21. Undiagnosed psychoses . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22. Without psychosis . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total . . . . .	2	1	3	3	1	4	3	7	10	4	3	7	10	14
							5	8		4	4	9	10	24





TABLE 18. *Total Duration of Hospital Life of Patients Dying in Hospital Classified According to Principal Psychoses — Concluded*

Psychoses	5-6 years			7-8 years			9-10 years			11-12 years			13-14 years			15-19 years			20 years and over			
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	
1. Traumatic . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2. Senile . . . . .	-	1	1	-	-	-	-	1	1	2	-	-	-	-	-	-	-	-	-	-	-	
3. With cerebral arteriosclerosis . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4. General paralysis . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5. With cerebral syphilis . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
6. With Huntington's chorea . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
7. With brain tumor . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
8. With other brain or nervous diseases . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
9. Alcoholic . . . . .	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	1	-	
10. Due to drugs and other exogenous toxins . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
11. With pellagra . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
12. With other somatic diseases . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
13. Manic-depressive . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
14. Involution melancholia . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	
15. Dementia praecox . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
16. Paranoia and paranoid conditions . . . . .	2	-	2	2	1	3	-	1	-	1	-	-	-	-	-	-	3	3	1	-	1	
17. Epileptic psychoses . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
18. Psychoneuroses and neuroses . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
19. With psychopathic personality . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
20. With mental deficiency . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
21. Undiagnosed psychoses . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
22. Without psychosis . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total . . . . .	3	1	4	2	1	3	-	1	1	7	-	1	1	-	-	1	3	4	-	2	1	3

The Commonwealth of Massachusetts

ANNUAL REPORT

OF THE

TRUSTEES

OF THE

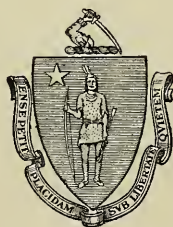
FOXBOROUGH STATE HOSPITAL

FOR THE

YEAR ENDING NOVEMBER 30,

1932

DEPARTMENT OF MENTAL DISEASES



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MR. ALBERT D. KELLY, *Chief Male Supervisor.*

**TRUSTEES' REPORT**

*To His Excellency the Governor and the Honorable Council:*

The year has passed happily. Progress and accomplishment have been the descriptive terms. The comfort of those entrusted in our care and added facilities for their treatment have been the tasks we have endeavored to carry out.

During a large part of the past year your trustees have adopted, in part, a new procedure at their monthly meetings. A half hour or more is given to the examination in greater detail of the several departments of the institution. Whenever possible, this is done by visiting the department and observing its work, as for example the training of nurses, the operations and conduct of the department of therapeutics, and methods of farm procedure. In other departments this same purpose is accomplished by calling the head of the department before the Board to present a description of his work and answer questions asked by members of the Board. As a consequence of this practice, the Board feels that it has not only gained a more intimate knowledge of departmental problems and how they are met, but also that it has established a closer bond of sympathy and understanding between its members and the hospital staff. This procedure will be continued.

From the three hundred and eighty-eight thousand dollars, plus, allowed by our model Commonwealth for their support, care and treatment, our twelve hundred patients have benefited to the full. But this is not the whole story. The hospital is not a spender only, but, with its well equipped and excellently managed farm, is a producer also.

When therefor we give credit to good management and faithful service we should not forget that nature also is a servant and provider. The farm has yielded well. Nature has not alone provided food but has yielded the better return by adminis-

tering health to many of our patients who are privileged to work thereon. The farms of all our hospitals are an economy and are administering agents of the greatest value in this work of ours and to all those who work thereon.

The past year has seen the completion of a splendid dormitory for patients and employees at the Hospital Colony farm. Completely and suitably equipped, this building provides adequate care for cases of the continued treatment type. A resident patient population at the Colony should enable us to materially develop our farm, increase our crop production, and improve our herd.

The sum of \$35,000 granted by the Commonwealth for the enlargement of the day spaces of our wards for female patients and the addition of new verandas is now being expended under contract. These improvements, when finished, will meet a long and crying need for more exercise and life in the open.

But when we need no more, that will mark the end; our usefulness will have ceased. Changes and additions similar to those now being effected in the female wards are with quite as much urgency needed in our male wards. It must not be long delayed. And the steady increase in our patient population demands a larger laundry, one of the most modern type; and a larger assembly hall is urgency itself. And then, too, when depression is necessarily passed, we shall still be waiting at the door of the treasury of our generous Commonwealth with open hands, crying "more, more" for it will all be needed.

More detailed reports of the administration of the hospital as a whole will be found in the subjoined reports as given by the Superintendent and Treasurer.

Respectfully submitted,

CHARLES A. LITTLEFIELD

THOMAS J. SCANLAN

CLAIRE H. GURNEY

BENNET B. BRISTOL

HORACE A. KEITH

MINNA .R MULLIGAN

WILLIAM H. BANNON,

*Trustees.*

## SUPERINTENDENT'S REPORT

*To the Trustees of the Foxborough State Hospital:*

The forty-first annual report of the Superintendent of The Foxborough State Hospital for the year ending November 30, 1932, is herewith respectfully submitted. The statistical tables contained therein are for the year ending September 30, 1932.

### MOVEMENT OF POPULATION

On September 30, 1932, the census of the hospital was as follows: —On the wards, men, 492; women, 614; total 1,106; on trial visit, men, 38; women, 48; total 86; on escape, men, 15; women, 3; total 18. The total number of patients in the care of the hospital was 1,210, of whom 545 were men and 665 were women.

During the year a total of 273 patients were received into the hospital: men, 130; women, 143. These were classified as follows:—First admissions, men, 104; women, 115; total 219; readmissions, men, 26; women, 28; total 54; for temporary care, men, 6; women, 2; total 8; for observation, men, 11; women, 7; total 18; transferred from other hospitals, men, 4; women, 7; total 11. Discharged during the year, men, 108; women, 90; total 198; transferred to other institutions, men, 6; women, 6; total 12. Died during the year, men, 38; women, 41; total 79. Actual increase in patient population during the year: In the hospital, men, 22; women, 53; total 73; on the books, men, 492; women, 614; total 1,106.

The total number of cases treated during the year were, men, 576; women, 709; total 1,285.

The average daily number of ex-service patients was, men, 27; women, 1; total 28.

In the final section of this report there is complete information concerning the movement of population and statistical tables as adopted by the American Psychiatric Association, prescribed by the Massachusetts Department of Mental Diseases.

### WARDS — CHANGES AND ADDITIONS

The rapid increase in the number of women patients made it necessary to increase the facilities for caring for the sick and infirm. To meet this demand a re-allocation was made moving this group to Ward S, the largest of the institution. The special arrangement of dormitories and day spaces renders it well suited for the care of



the sick. A diet kitchen is being installed in the basement with suitable equipment for tray service and the preparation of all special diets.

The new dormitory for patients and employees at the hospital Colony farm is now furnished and ready for occupancy. It is to accomodate 80 patients and 15 employees. It is fireproof throughout, of fine appearance, of durable construction, and of suitable arrangement. Food will be served in cafeteria style to the patients. Having the patients in residence at the Colony will save much expense in transportation and enable us to rapidly expand the activities of the farm, increasing crop production and making for the betterment of the herd. It is planned to open the building next month. Patients of the continued treatment type obtain great benefit from colony care.

#### MEDICAL SERVICE

Changes in personnel:— On March 1, 1932, Dr. Lawrence S. Quinn, a graduate in dentistry of the University of Maryland, was appointed resident dentist upon the resignation of Dr. Arthur G. Webster. He is devoting full time to work in the hospital. On April 5, 1932, Dr. Rupert A. Chittick was appointed an assistant physician. He received his degrees of B. Sc. from the University of Nebraska in 1923, an M. A. in 1924, and the degree of M. D. from Harvard University Medical School in 1929. He is also a graduate in Pharmacy. Dr. Chittick served a general hospital internship in the Worcester City Hospital and spent some time in private practice.

#### EMPLOYEES

On December 1, 1932 the employee personnel was as follows:— men, 111; women, 111; total 222. During the year a total of 96 left the service and a total of 105 joined the service. The general health of males employees was considered average. There was more than the usual amount of illness among the women employees but no serious epidemics.

#### HEALTH OF PATIENT POPULATION

There was no unusual amount of sickness. Several cases of diphtheria appeared but no epidemics resulted. Major operations were performed by the following members of the visiting staff: Dr. Thomas A. Scanlan, Dr. Laurence J. Louis, Dr. William J. MacDonald, Dr. Russell Sullivan, Dr. William J. Donovan, Dr. Wallace Haley and Dr. James J. Lynch. In addition a considerable number of operations was performed by members of the resident staff. All new patients of suitable age and all new employees were given inoculations against typhoid and vaccination against smallpox unless satisfactory evidence of recent prophylaxis could be shown, and all routine re-inoculations were made. A total of 267 persons were given inoculations. Tetanus antitoxin was administered to 10 cases. The Schick Test was given to 78. All cases presenting symptoms referable to the throat were at once isolated pending the receipt of a negative report from cultures and smears taken in each case. A number of patients had dental extractions made under general anaesthesia. There were 159 lumbar punctures. Intravenous treatment will be found in detail under the report of the Serological Department.

#### STAFF CONFERENCES

Conferences are held daily except Sundays. All the cases admitted during the year were presented for diagnosis; also all those to be dismissed on trial visit. In addition, the records of all cases on trial visit were reviewed in conference before the patient had quite completed one year of residence in the community in order to determine fitness for discharge from hospital supervision.

#### PHYSIOTHERAPY AND X-RAY

Under Miss Mary Villone considerable work was done in this department during the year. The change from direct to alternating current made in the month of August made it impossible to continue the use of certain pieces of apparatus. Inasmuch as money was not available to make necessary changes in the equipment in order to operate with alternating current, it became necessary to discontinue certain forms of treatment, accounting for a smaller total than last year.



Physiotherapy treatments were as follows: — Baking, 228; massage, 218; diathermy, 61; ultra-violet, 225; auto-condensation, 148; total, 880. Number of men patients treated, 23; women, 31; employees, 16; total, 70.

X-ray — Individuals worked on, 315; films for general work, 594; dental, 165; experimental, 26; total, 785.

#### HYDROTHERAPY

The continuous baths on the acute services have been in constant operation and the great benefit derived has been evident. Additional baths for use of the disturbed continued treatment cases are greatly needed for both men and women. Wet sheet packs have also been used. The work in the Tonic Bath Suite suffered considerable interruption due to shortage of available personnel while alterations were being made to a number of the wards for women patients.

Lectures and demonstrations were given to nurses and attendants throughout the year.

	Men	Women
Number of patients given wet-sheet packs . . . . .	55	134
Number of packs administered . . . . .	171	1,964
Number of hours of treatment given in wet sheet packs . . . . .	612	5,892
Number of patients given continuous tubs . . . . .	169	102
Number of bath treatments given . . . . .	1,119	1,046
Number of hours of continuous bath treatments given . . . . .	7,620	8,208
Number of tonic bath treatments . . . . .	1,938	5,661

#### OCCUPATIONAL THERAPY

Miss Augusta Hodges who assumed charge of the department on March 16, 1931, resigned on August 21, 1932, to accept a position with the town of Mansfield as director of occupational work in the schools of the town. Miss E. Elizabeth Bowman, a graduate of the Boston School of Occupational Therapy, was appointed head worker on September 15, 1932. There are two assistant workers. The work of the department was carried on in the class room and on the wards with an average attendance of about 125 a day during the greater part of the year. During the summer classes were taken into the fields to pick berries and vegetables and worked also in the canning department. Classes in physical education have been carried on very successfully as well as games and exercises in the open air. This department has also supervised the taking of patients from each ward once a week to the hospital library. Intensive work has been carried on with certain groups presenting unusual problems. The work of decorating the assembly hall for the holiday season and for entertainments was done by this department.

*Work Done:* — 1 "Persian rug", 53 woven rugs, 11 hooked rugs, 3 braid-weave rugs, 31 braided rugs, 29 dozen bath towels, 89 dozen dish towels, 13 dozen hand towels, 84 runners, 24 dozen face cloths, 2 dozen tobacco bags, 6 hot plate mats, 9 embroidered pillows, 1 hand woven square, 21 tray covers, 22 doilies, 1 luncheon set (13 pieces), 2 luncheon sets, 1 crocheted Afghan, 1 linen chair set (3 pieces), 8 dozen garters, 2 dozen bibs, 3 pairs curtains, 7 pair bed socks, 1 magazine rack, 5 telephone stands, 11 baskets, 1 small hamper, 2 smoking stands, 5 pair book-ends, 14 door stops, 4 vases, 3 tables, 2 small trays, 3 chair backs, 4 stools, 1 spindle, 2 ash tray stands, 4 jig saw puzzles.

#### WOMEN'S INDUSTRIAL

The women patients gave a great deal of help in dining rooms, kitchens, laundry and chamber work and in addition did both manufacturing and mending under supervision. The following is a list of the work done: — 265 dozen sheets, 42 dozen spreads, 176 dozen pillow cases, 23 strong blankets, 24 dozen mattresses, 15 dozen pillow ticks, 506 dozen bath towels, 11 dozen table cloths, 6 bath mats, 16½ dozen night dresses, 18½ dozen nightshirts, 15 dozen aprons, 34 combinations, 6 union suits, 90 dozen dresses, 10 dozen coats, 71½ dozen prs. garters, 16½ dozen bathrobes, 9 dozen belts, 38 dozen covers, 322½ dozen drapery curtains, 98 pair sash curtains, 43 pair overdrapes, 199 tiebacks, 140 valances, 74 window shades, 40 dozen bags, 50 bureau covers, 2 dozen surgical gowns, 3 dozen holders, 18 bound rugs, 4 table pads, 1 moving picture screen cover.

## MEN'S INDUSTRIAL

In addition to the repairing of many articles considerable manufacturing was done and the usual amount of canning.

*Made:* — 231 (corn) brooms, 36 scrubbing brushes, 292 mattresses, 337 pillows, 94 window shades, 13 cushions, 324 pairs socks knitted, 545 yds. towelling woven, 150 metal tags, 7 day-beds, 35 tables, 20 chests, 1 cupboard, 25 pictures framed, 6 cupboard doors, 1 sample board, 2 Christmas ornaments, 3 mirrors installed, 1 hair carding apparatus installed.

*Repaired:* — 455 shoes stitched, 485 nailed, 417 patched, 566 heeled; 50 clocks, 50 mirrors, 130 brushes, 32 sewing machines, 73 scissors sharpened, 46 mop pails, 105 window shades, 57 leather articles, 2 harness, 2 curtain screens, 1 leg brace, 5 knives rehandled, 24 crutches, 11 ladders, 1 centrifugal machine, 15 locks, 352 handles reconditioned, 691 chairs (14 recaned), 10 settees, 33 tables, 49 benches, 1 filing cabinet, 2 desks, 2 invalid chairs, 1 office door, 602 pieces furniture refinished.

*Canning:* — 3,930 lbs. Sauerkraut, 1,719 lbs. Swiss chard, 10,282 lbs. string beans, 69,211 lbs. tomatoes, 3,320 lbs. cucumbers.

## PATHOLOGICAL AND RESEARCH

This department is in charge of Dr. David Rothschild. The laboratory is in charge of Mr. Charles Hamberg as the head technician, with one assistant. There is one student in training in laboratory technique.

*Pathological Department:* — Sixteen autopsies were performed during the course of the year. This comprises 19% of the deaths occurring in the hospital. The psychiatric diagnoses of these cases were as follows: —

Senile psychoses, 4; psychosis with cerebral arteriosclerosis, 3; general paresis, 3; general paresis and chronic alcoholism, 1; psychosis with cerebrospinal syphilis, 1; Dementia praecox, 3; Epilepsy, 1.

The primary causes of death were as follows: —

Generalized arteriosclerosis, 3; Cerebral arteriosclerosis, 2; Senile psychosis, 3; General paresis, 2; Cerebrospinal syphilis, 2; Status epilepticus, 1; Perforation of sigmoid, 1; Chronic septicemia with empyema and purulent arthritis, 1.

A biopsy was performed on a specimen of tissue removed from the uterus; in addition, other specimens removed at operation were examined. In all necropsies the brain and sections from other organs were preserved for latter sectioning and staining. The investigation of Alzheimer's disease has been continued. Four cases are now being studied. They will form the basis of a paper which is being submitted to the Program Committee of the American Psychiatric Association for presentation at the next annual meeting.

## CHEMICAL, BACTERIOLOGICAL, AND SEROLOGICAL DEPARTMENTS

The intensive work begun in previous years has been maintained and in some instances extended during the past year. Complete blood counts and five urinalyses were performed routinely on all patients admitted to the hospital. Further examinations were made as indicated. Quantitative chemical studies of the blood were performed on all new cases and were repeated when necessary. The number of quantitative determinations was as follows: — Blood sugar in 434 cases, non-protein nitrogen in 403 cases, chloride in 128 cases, phosphorus in 223 cases, creatinine in 131 cases, uric acid in 122 cases, calcium in 358 cases. Work was begun with the Van Slyke gasometric apparatus, a number of determinations of the carbon dioxide and oxygen content of the blood being made. The cholesterol content of the blood was estimated in a few cases.

During the course of the year 159 specimens of spinal fluid were examined. These fluids served as starting points for intensive investigation. In order to throw light on the condition of the blood-cerebrospinal fluid barrier, specimens of blood were obtained as nearly simultaneously with the spinal fluid as possible so that parallel determinations of the blood and spinal fluid concentrations of various substances could be made. The substances studied in this way were calcium, sugar, non-protein nitrogen, chloride, phosphorous, uric acid, and creatinine. The number of determinations made in the spinal fluid was as follows: — Calcium in 191 cases, sugar in 146 cases, non-protein nitrogen in 146 cases, phosphorous in 77 cases,



chloride in 50 cases, uric acid in 59 cases, and creatinine in 43 cases. At the same time the ratio of distribution of bromide between the blood and cerebrospinal fluid was estimated by Walter's method. It is thus possible to determine whether a lowering or raising of the resistance of the blood-cerebrospinal fluid barrier to the passage of bromide is accompanied by similar changes for other substances. Some of this work has been incorporated in an article that was published in November, 1931 ("The Blood Cerebrospinal Fluid Barrier in Manic-Depressive Psychoses" — Archives of Neurology and Psychiatry, Volume 26, page 29, 1931). Other articles based on the data obtained are being planned for the future.

In investigating the blood-cerebrospinal fluid barrier during the current year, particular attention has been devoted to the calcium content of the blood and spinal fluid. The work of collecting and arranging this material has begun. Over one hundred cases of Dementia Praecox are being studied. It would seem that a considerable proportion of these cases show a relatively diminished quantity of calcium in the spinal fluid. This may indicate an increase in the resistance of the barrier but on the other hand it could be due to a decrease in the quantity of diffusible calcium in the blood. In an attempt to solve this problem ultrafiltration experiments on the blood serum, using colloidion membranes, are being carried out so that a comparison can be made between the amount of diffusible calcium in the blood and the calcium content of the spinal fluid. Up to the end of the current year 112 ultrafiltration experiments have been performed.

In addition to the procedures mentioned above, all spinal fluids were investigated for total protein, number of cells, and colloidal gold curve.

Kidney and liver function tests, gastric analyses, and other procedures were performed at the request of the physicians.

In the bacteriological department throat cultures and smears were made in 97 cases. The sputum was examined for tuberculosis in 27 cases. Smears were investigated for Neisser's infection in 29 instances. Blood cultures and cultures from abscesses and vaccines were made at the request of the physicians. Basal metabolism tests were performed in 17 cases.

The weekly syphilitic treatment clinic has been continued during the current year. The total number of patients treated was 55. Special arrangements were made whereby several out patients attended the clinic. Although bismuth was still used, tryparasme was employed on a larger scale than formerly. Good results have been obtained in a number of cases but it is still too early to determine whether the improvement will be maintained or not.

During the course of the year a paper was read on "Alzheimer's Disease: A Clinico-Pathologic Study of Five Cases" at the October meeting of the Rhode Island Society of Psychiatry. Another paper on "Some Patho-Physiologic Considerations of General Paresis" was presented as part of a symposium on general paresis held at the Hospital for Mental Diseases at Howard, Rhode Island. An article on "The Blood Cerebrospinal Fluid Barrier in Alcoholic Psychoses" was completed and submitted for publication. Another paper on Alzheimer's disease has been submitted to the Program Committee of the American Psychiatric Association for presentation at the next annual meeting.

#### NEUROPSYCHIATRIC CLINICS

Out-patient mental clinics were conducted as usual at the Foxborough State Hospital and at the Brockton Hospital by Dr. David Rothschild and Dr. Cornelia B. J. Schorer, assisted by social service and psychological workers.

The Brockton clinic is held in the out-patient department of the Brockton Hospital every Wednesday afternoon. Its main purpose is to provide the surrounding communities with facilities for the diagnosis and treatment of nervous and mental disorders. Physicians have utilized the clinic with increasing frequency, as shown by the fact that during the current year they referred almost one third of the new cases to the clinic. The various social agencies accounted for the second largest group. A considerable number were also referred from the schools located in the neighboring regions.

During the current year 417 visits were made to the clinic. Of this number 164 were new cases (100 males and 64 females) and 9 were re-opened cases. There were 26 cases carried over from the previous year so that the total number of

patients seen was 199. Of this number 84 were children. This group made 160 visits to the clinic.

Among the new cases 36 showed symptoms which were classified under the broad term "behavior problem." This group was made up of children and adolescents. A considerable number showed rather poor intellectual endowment but feeble-minded individuals were not included in this group. The majority of these patients exhibited disorders of conduct at home or in school. Asocial tendencies, difficulties in the sexual sphere, and enuresis were common problems. In many of these cases unfavorable environmental influences had to be corrected and instruction along mental hygiene lines had to be given to the parents or other interested persons. There were ten cases in this group that were examined under the new regulations governing juvenile delinquents.

A diagnosis of psychoneurosis was made in 26 cases. Hysteria was the most common type of disorder met with in this group. In most cases some form of psychotherapy was undertaken and definite improvement was secured in a number of them.

A diagnosis of mental deficiency was made in 6 cases; in addition 12 cases were of borderline intelligence. Behavior problems were numerous in this group. In the more severe cases, institutional care was advised. In some of the milder cases special classes were recommended. In many instances correction of unfavorable outside influences and instruction of the parents in more skilful methods of management resulted in marked improvement in the conduct disorders.

Psychoses were observed in 34 cases. Some of these patients were referred to the clinic from the hospital for follow-up work. However, 22 cases were referred from the surrounding communities for diagnosis and treatment. In many of these cases it was necessary to recommend commitment to a hospital for mental diseases.

Disorders of a neurological nature were found in 40 cases. Traumatic cases formed the largest group under this heading. There were 3 cases of epilepsy, 3 of paralysis agitans, and 3 of post-encephalitis. Among the less common disorders there was 1 case of toxic polyneuritis and 1 case of angioneurotic edema.

The staff of the Brockton Hospital has continued to avail itself of the facilities of the clinic. Over 50 cases were seen in consultation on the wards of the hospital. During the course of the year 21 cases were referred to the clinic from the outpatient department of the Brockton Hospital.

As in past years a course of eight lectures in psychology was given to the nurses in training at the Brockton Hospital.

The Psychological Department of the Foxborough State Hospital has been of great value in the work of the clinic. During the current year 65 psychometric examinations, 5 supplementary examinations, and 15 school tests were performed.

The Social Service Department under the supervision of Miss Moseley aided greatly by obtaining histories and making outside investigations when necessary. The various social agencies in Brockton have also been of great assistance, not only in obtaining information but also in helping to correct unfavorable environmental influences.

We desire to thank Dr. Hollister, Superintendent of the Brockton Hospital, and other members of the staff for the assistance and cooperation given us at all times. In the out-patient department at the Foxborough State Hospital 20 cases were seen. Of these 10 received anti-syphilitic treatments, of which 178 were given.

In order to maintain closer contact with patients on trial visit and living in Boston a monthly clinic was opened at the Boston Psychopathic Hospital and is held the last Monday evening of each month. This has been found to be of great convenience to our many patients from the Boston district and has also greatly reduced the matter of expense to them.

#### SCHOOL CLINICS

Dr. Cornelia B. J. Schorer, assisted by a psychometrist and social workers, has continued this highly important work.

During the year from December 1, 1931 to November 30, 1932, the School Clinic was held in 16 towns — Norwood, Bridgewater, East Bridgewater, Weymouth, Canton, Walpole, Hingham, Sharon, Bellingham, Mansfield, Braintree, Fox-



borough, Norton, Needham, Milton, and Stoughton. All of these towns had been visited by us repeatedly in previous years, most of them annually for some time past. Preliminary work by the teachers and school nurses is being done in Wellesley, and in Hull the teachers have been instructed regarding giving these school tests. In 9 towns the school nurses took the social histories for us, while in the remaining 7, most of them with a small number of pupils assigned, the social service department took the histories for us. In only 6 towns the school teachers did the school tests under the supervision of the director. This includes the towns where a large number of pupils were assigned. In others the psychometrist gave these tests.

During the past year one further special class was added in East Bridgewater, thus making the number of special classes in our district now 14.

We have had the hearty cooperation of the teachers, principals, and school nurses as far as we came in contact with them in all of the towns visited. As before we have had many informal discussions with teachers as well as principals and nurses regarding mental hygiene matters or other special points concerning the children. We have seen mothers, although I feel that we should make a greater effort to see the parents. In the towns where the school nurses have been taking the histories and are taking special interest in the clinics, many of our ideas have been transmitted to the parents even without the special contact which was not possible for various reasons. One barrier between us and the parents is still the foreign language in a fairly large part of the parents of the children.

This year we examined at the school clinic 515 children, 361 boys and 154 girls. Of these, 136 children (79 boys and 57 girls) were found to be feeble-minded. 171 children were recommended for a special class (111 boys and 60 girls) and 8 children were of a mentality requiring institutional care. Of these, 2 were boys and 6 girls. As in previous years, a few of the children who were referred to us during the first year in the first grade were retarded to such a degree that it was desirable to keep them at home for at least another year as they were often of too low a grade to profit by special class instruction. This advice was given in order to avoid establishing bad school habits. In all of these cases the diagnosis was deferred and they will be examined again within a year.

During the first two months of the year Miss Eleanor Culbert was the psychometrist. Since February 1st, when Miss Culbert returned to Columbia University for further study, Miss Minnie Radner has done the psychometric work. Aside from the psychometric work in the traveling school clinics, 233 school tests were given in the different schools in the towns where no teacher could be assigned. At the Brockton clinic 65 patients were examined by the psychometrist, chiefly children (41 boys and 22 girls) but in addition also two male patients were examined. School tests also were given to 15 children seen at the Brockton clinic. At the hospital 66 patients were examined. Of these 5 were children (1 boy and 4 girls) in addition to 42 male and 19 female patients. In most of these cases a battery of tests was given. Under the Brigg's Law there were 47 prisoners examined by the psychometrist, 46 men and 1 woman. In many cases a battery of tests was given. In addition to the work listed thus far 3 boys were examined at the outpatient department at the hospital, a total of 662 psychometric tests and 249 school tests.

#### DENTAL DEPARTMENT

It is a well recognized fact that the care of the mouth in mental cases is of very great importance. Until the present year the work has done by a dentist working part time, assisted by a dental hygienist. With the marked increase in the patient population the necessity for the services of a full time dentist became apparent. Dr. Arthur G. Webster resigned from his part time position and on March, 2 1932 Dr. Lawrence S. Quinn became our resident dentist. Miss Pearl Vincent has continued in the position of dental hygienist.

Patients were treated as follows:— Total number of patients treated, 1,283; operations, 2,797; extractions, 990; fillings, 657; x-rays, 131; artificial dentures, 24; teeth cleaned, scaled, examined and charted, 501.

We would take this opportunity of expressing our appreciation of the many years of faithful service rendered by Dr. Webster, who was a member of the staff from December 3, 1917 to February of the present year.



## SOCIAL SERVICE

Miss Elizabeth Moseley, Head Social Worker. It is now fourteen years since the establishment of this important department of the hospital. We now have in addition to the head worker, one assistant psychiatric social worker and two student workers under the Department of Mental Diseases.

During the year just closed this department has dealt with a total of 790 cases, 432 males and 358 females. Of these 579 were referred to the Department for the first time.

Of this total number, 453 were patients under commitment to the hospital, 220 men, 233 women. Of these patients 265, 136 men, 129 women were new admissions to the hospital during the year and automatically referred to this department for social history and investigation. We wish at this time to report a study that this department has made of these new admissions in regard to the financial situation in each case. We find that in a study of 265 admissions there were 47, this is, a little more than 13%, in which financial worries due to the present economic depression played a part. Of these patients 25 were men and 22 women. However, in only 16 of them, or 6%, was the financial crisis a major precipitating factor of the illness. In the others it was thought to have been a contributing factor, but there were so many other factors involved, such as alcoholism, that it was difficult to determine more definitely just what part the financial crisis has played. This total of 13%, however, is somewhat larger than the results found in a study made a year ago by this department which showed the percentage to be a little over 9%. It seems logical that this increase is to be expected with the continuation of the depression.

There have been during the year 112 patients out on prolonged visit from the hospital, all of whom are under the supervision of this department. Of these 47 were men and 65 women. All of these patients have been kept in touch with by this department, some by being interviewed when reporting at this hospital or at the Brockton clinic, and some by reporting at the hospital clinic recently established at the Boston Psychopathic Hospital. This clinic was started in September and is held on the last Monday evening of every month for the benefit of those of our patients who live in the Greater Boston district. We have so far had 17 patients reporting to us there who are on visit from the hospital, 9 men and 8 women, with a total of 28 interviews held by the social worker, 14 with patients and 14 with relatives accompanying them. (These interviews are in addition to those held by the physician.) These patients have seemed pleased with this plan and are co-operating willingly.

The remaining 337 cases handled during the year were in the community and not under commitment to the hospital. Of these, the largest group, 168, 99 men, 69 women, were patients reporting at our Brockton Neuropsychiatric Clinic, where 233 interviews were held, 47 with patients and 186 with interested individuals accompanying them. These individuals are often from local social agencies and there has grown up a very pleasant relationship with these agencies.

The next largest group of the community cases was those of the retarded school children whose social histories were secured in connection with the school clinic work. This year we have obtained 138 of these, covering seven towns, namely, Bellingham, Braintree, Bridgewater, Canton, Foxborough, Sharon and Stoughton. The third group of community cases consisted of certain persons, 18 in number, awaiting trial, who, under the Briggs Law, were being examined for their mental condition, and in whose cases we were asked to make a social investigation. This leaves 13 miscellaneous cases dealt with in the community. Some of these were patients coming to the out-patient department in the hospital for treatment who were also interviewed by a member of this Department, and in a few cases they were former patients of the hospital, now discharged from our books, who had come back for further advice or help in making some adjustment.

The total number of interviews held during the year was as follows:

Interviews at hospital with relatives or other interested persons . . . . .	728
Interviews with patients on the ward . . . . .	123
Visits to patients outside the hospital . . . . .	113
Visits to relatives of patients . . . . .	305
Visits to social agencies . . . . .	259

Visits to other interested individuals (employers, neighbors, etc.) . . . . .	849
Visits to homes in school clinic work . . . . .	138
Interviews at out-patient clinics . . . . .	261
A total of . . . . .	2,776

#### TRAINING SCHOOL FOR PSYCHIATRIC NURSING

Principal of School: Miss Marion K. Blanchard. On October 1, 1932, four members of the class of 1932, having successfully passed the examinations of the Training School Committee, were eligible for graduation. There are six in the class of 1933. Seventeen are now in the class of 1934, including four young men from the male nursing service. During the year a Thirty-five Hour Course was given four times. Forty-two attendant nurses completed the course, thirty-three men and nine women.

Definite progress is noticeable in the work of the training school and there can be no doubt that great benefit has come to the hospital as the result of the establishment of the school.

Many books have been added to the Nurses' Library and this has aided in instruction. Greater space and improved facilities have been given to the Training School Department in its new quarters.

The graduate nurses have held a series of staff conferences through which nursing techniques have been reviewed. Modern methods and appliances were considered and current ward problems discussed. The nurses have shown a keen interest in the programs of associated professional organizations and have brought into the conference much material and enthusiasm.

#### ENTERTAINMENT

The installation of the new photophone equipment was welcomed by both the patients and the employees. Owing to the small capacity of the assembly hall the installation was made in the main dining room. The seating capacity there is ample and the acoustic properties fair but great inconvenience is experienced in the necessity of re-arranging tables and chairs before and after each performance. There is great need for a new assembly hall. Dances have been held weekly, also in the dining room. Music has been furnished by our hospital orchestra, which now consists of nine pieces and furnishes music of excellent quality. We feel deeply indebted to Dr. Gaebler, the Assistant Superintendent, under whose leadership the orchestra has been developed, and to the other members of the hospital personnel who have worked so diligently to make it a success.

The annual Field Day was held on the Fourth of July. A very large percentage of the patients was out in the field and many others who were unable for some reason to leave the building were placed on a ward from which there was a good view and in which the music could be heard. Both patients and employees participated freely in the many games and sports and supper was served to all in the open air.

In September a corn roast was held in the hospital grove, attended by 135 patients, accompanied by the nurses.

Mr. Roy Hillier, magician and entertainer, was engaged for entertainment of the patients. In addition to a performance in the assembly hall he entertained on the wards those patients unable to go to the hall. The entertainment was a novel one and seemed a real treat to those patients who do not respond to usual forms of entertainment.

Under the leadership of Mr. A. E. Guild of Foxborough a number of the patients received training in choral singing. This group took part in the Christmas carols, in "community" singing and has sung in the hospital choir.

The Dramatic Committee of the Foxborough Woman's Club presented the comedy, "Skidding." It was remarkably well rendered and was a source of much enjoyment to all.

Thirty-seven visits to the ex-service patients were made by various units of the American Legion, the American Legion Auxiliary and the Women's Auxiliary of the Veterans of Foreign Wars. Boxes of fruit, candy, pastry and cigarettes were provided by them. Many fine programs and special entertainments were given. A bus ride was also given these patients.

Additional radios are now being installed. This form of entertainment seems very helpful.

The hospital library has continued to grow and serves a wide field of usefulness. We are deeply indebted to Miss Kathleen Jones, Library Adviser, State Division of Public Libraries, and to her assistant, Miss Yerxa, for their interest and valued assistance in the selection and classification of our collection; also to those friends of the hospital who have so generously contributed magazines.

#### RELIGIOUS SERVICES

We greatly appreciate the service rendered by the clergymen of the various denominations of the town of Foxborough who so faithfully have assisted us in the care of our patients. Their frequent visits to our wards have brought much comfort and cheer.

#### LAUNDRY

The work in this department continues to be difficult because of insufficient room on the washroom floor and no means of mechanical conveyance to the ironing room above. The work done is listed as follows:—

*Patients:* 426,650 sheets, 44,000 spreads, 55,100 pillow slips, 18,500 blankets, 78,475 bath towels, 207,200 hand towels, 32,000 table cloths, 20,400 combinations, 28,900 dresses, 1,600 bathrobes, 65,570 prs. stockings, 67,932 underwear, 5,100 trousers, 2,000 overalls, 31,000 men's shirts, 600 coats, 16,000 kitchen aprons, 45,000 kitchen coats, 1,560 tub covers, 17,370 laundry bags, 1,200 rugs.

*Employees:* 12,180 sheets, 9,164 spreads, 13,200 pillow slips, 312 blankets, 43,420 towels, 17,900 bath towels, 5,000 table cloths, 7,400 napkins, 1,404 rugs, 1,520 prs. curtains, 6,200 dresser scarfs, 4,000 dresses, 2,600 dress slips, 940 night gowns, 3,500 pajamas, 19,700 uniforms, 4,700 aprons, 520 bathrobes, 1,225 bloomers, 3,400 collars, 416 cuffs, 2,500 caps, 2,550 coats, 9,400 underwear, 6,550 stockings, 676 trousers, 22,150 handkerchiefs, 900 bibs, 8,945 belts, 9,670 laundry bags.

#### POWER HOUSE

Early in September, Mr. John H. Naylor, Chief Engineer, became ill and because of his disability found it necessary to retire from the service on October 16, 1932. Mr. Naylor was appointed Chief Engineer on February 26, 1917, and gave many years of faithful service to the hospital. His successor has not yet been appointed.

Under the special appropriation grant a new motor generator set and switch-board were installed in the power house. This now permits the use of purchased current during the summer months and will make possible a marked reduction in the amount of steam to be generated during the summer months when it is not needed for heating purposes. It also provides against being without light and power in the event of a sudden breakdown in the hospital power plant.

#### REPAIR DEPARTMENT

During the year many repairs were made. Especial attention was given to reconditioning windows and doors throughout the wards and the repairing or replacement of window screens. Under a repair and renewal appropriation alterations were made in the service building and a dining room for officers and administrators was opened. Other work to be mentioned included repairs to plaster, brick work, floors, foundations, and roofs; the laying of sidewalks; repairing and extension of power lines and steam lines; and the relining of boilers. The exteriors of two of the nurses' homes and of several cottages were repainted and the interior of many of the wards were painted. Much of which work was done by patient labor. Recent new construction has made it necessary to do extensive grading and landscaping of the grounds at the Colony Farm as well as at the hospital. This has been done by patients under supervision of the repair department. Certain changes in water lines have improved our facilities for fire-protection.

#### FARM AND GROUNDS

Considering the comparatively small acreage under cultivation the crop production was unusually good. At the new low prices the farm showed a profit of \$12,216.31 after all costs for labor and material had been deducted. Additions were made to our tools and all machinery was thoroughly overhauled. Our dairy



equipment was modernized by changing from the vacuum to the magnetic type of milker and by purchasing a new clarifier of the latest design. The milk yield of our herd has continued to increase but is not yet up to our expectation.

Briefly summarized the production was as follows:— Milk 380,272 lbs.; eggs 7,695 doz. Vegetables: garden produce, 506,774 lbs.; potatoes, 307,437 lbs.; fruit, 26,809 lbs. Meat: pork, 51,823 lbs.; beef, 6,189 lbs.; poultry, 3,014 lbs. Ensilage, 100,000 lbs.

From this quantity 88,371 lbs. were canned as follows:— String beans, 10,282 lbs.; cabbage, 3,930 lbs.; chard, 1,718 lbs.; cucumbers, 3,230 lbs.; tomatoes, 69,211 lbs.

#### SPECIAL APPROPRIATIONS

Under a special appropriation of \$35,000 additions were made to the day spaces of six of the wards for women patients and verandas were added to these same wards. This has met a long felt need for better facilities to care for such cases as present the greatest problems in their care, especially in the matter of providing additional opportunity for exercise in the open air.

The \$10,000 granted for the furnishing of the new dormitory at the Colony Farm has been expended and the building is now ready for occupancy. It is fully equipped to care for 80 patients and 15 employees. Food will be prepared in the building and served from a cafeteria.

We have need for further new construction. Changes and additions to wards for male patients are necessary, similar to those just added for use of women patients. The increase in patient population requires a new modern laundry building, a new and larger assembly hall, more accommodations for employees, additional buildings for our farm and the acquisition of certain parcels of land to give the degree of privacy necessary to the satisfactory operation of the hospital and of certain other parcels to provide for the relocation of a state highway which now passes through the hospital grounds and is a menace to the safety of the patients because of a continuously heavy traffic.

We look forward to the time when conditions will permit the appropriation of the sums necessary to carry on yet more efficiently this most important work.

#### ACKNOWLEDGEMENT

We feel deeply indebted to all those who have taken such a helpful interest in the hospital during the year. Several organizations and many individuals have provided excellent entertainments, gifts and reading matter for our patients. The public schools, welfare organizations, town and court officials and others in the community have aided us greatly in the work of our out-patient clinics and in other ways incidental to the care of our patients. I feel that the hospital personnel have loyally and faithfully performed their work and I would take this opportunity of expressing to them and to the Board of Trustees my appreciation of the support and assistance they have given throughout the year.

Respectfully submitted,

RODERICK B. DEXTER,  
*Superintendent.*

#### VALUATION

November 30, 1932  
REAL ESTATE

Land, 352.4 acres . . . . .	\$35,400.00
Buildings . . . . .	1,927,548.24

**\$1,962,948.24**

#### PERSONAL PROPERTY

Travel, transportation and office expenses . . . . .	\$526.82
Food . . . . .	12,153.64
Clothing and materials . . . . .	18,659.30
Furnishings and household supplies . . . . .	158,035.52
Medical and general care . . . . .	32,141.58
Heat and other plant operation . . . . .	9,811.33
Farm . . . . .	30,160.79
Garage and grounds . . . . .	8,791.81
Repairs . . . . .	19,042.62

**\$289,323.41**

#### SUMMARY

Real estate . . . . .	\$1,962,948.24
Personal property . . . . .	289,323.41

**\$2,252,271.65**



## FINANCIAL REPORT

To the Department of Mental Diseases:

I respectfully submit the following report of the finances of this institution for the fiscal year ending November 30, 1932.

CASH ACCOUNT  
Receipts

<i>Income</i>		
Board of patients . . . . .		\$50,635.18
Personal services:		
Reimbursement from Board of Retirement . . . . .		130.40
Sales:		
Travel, transportation and office expenses . . . . .	\$58.59	
Food . . . . .	1,308.99	
Clothing and materials . . . . .	43.83	
Medical and general care . . . . .	131.25	
Heat and other plant operation . . . . .	3.75	
Farm:		
Cows and calves . . . . .	131.00	
Pigs and hogs, boar . . . . .	7.00	
Hides . . . . .	12.50	
Repairs, ordinary . . . . .	26.05	
Total sales . . . . .		1,722.96
Miscellaneous:		
Interest on bank balances . . . . .	135.40	
Rent . . . . .	595.66	
		731.06

Total, Income . . . . . \$53,219.60

## MAINTENANCE

Balance from previous year, brought forward . . . . .	\$12,228.56
Appropriations, current year . . . . .	390,100.00

Total . . . . .	\$402,328.56
Expenses (as analysed below) . . . . .	380,768.54

Balance reverting to Treasury of Commonwealth . . . . . \$21,560.02

## Analysis of Expenses

Personal services . . . . .	\$217,187.64
Religious instructions . . . . .	1,506.00
Travel, transportation and office expenses . . . . .	5,952.62
Food . . . . .	48,089.59
Clothing and materials . . . . .	11,897.86
Furnishings and household supplies . . . . .	18,224.61
Medical and general care . . . . .	8,790.19
Heat and other plant operations . . . . .	36,226.08
Farm . . . . .	16,995.31
Garage and grounds . . . . .	3,034.99
Repairs ordinary . . . . .	8,623.22
Repairs and renewals . . . . .	4,240.43

Total expenses for Maintenance . . . . . \$380,768.54

## SPECIAL APPROPRIATIONS

Balance December 1, 1931 . . . . .	\$76,037.35
Appropriations for current year . . . . .	10,000.00

Total . . . . . \$86,037.35

Expended during the year (see statement below) . . . . .	\$73,847.95
Reverting to Treasury of Commonwealth . . . . .	479.78

Balance Nov. 30, 1932, carried to next year . . . . . \$11,079.62

OBJECT	Act or Resolve	Whole Amount	Expended during Fiscal Year	Total Expended to Date	Balance at End of Year
Buildings farm dormitory . . . . .	1930	\$105,000.00	\$24,932.04	\$104,776.19	\$223.81*
Paint shop . . . . .	1930	2,000.00	1,883.33	1,883.33	116.67*
Furnishings, employees' bldg. . . . .	1930	11,000.00	193.86	10,997.38	2.62*
Furnishings, officer's cottages . . . . .	1930	1,500.00	664.25	1,483.64	16.36*
Employees' building and nurses' home . . . . .	1929-1930	192,500.00	5,500.00	192,379.68	120.32*
Verandas, female wards . . . . .	1930-1932	35,000.00	25,319.16	25,319.16	9,680.84
Renovation of Ward C . . . . .	1931	7,000.00	-	6,999.37	.63
Replacing stairs and installing grills . . . . .	1931	4,700.00	300.00	4,665.62	34.38
Power equipment . . . . .	1931	9,000.00	6,688.64	8,813.04	186.96
Furnishings, nurses' home . . . . .	1931	4,600.00	161.83	4,588.35	11.65
Furnishings, farm dormitory . . . . .	1932	10,000.00	8,204.84	8,204.84	1,795.16
		\$382,300.00	\$73,847.95	\$370,110.60	\$12,189.40

Balance reverting to Treasury of the Commonwealth during year (mark item with *) . . . . .	\$479.78
Balance carried to next year . . . . .	11,709.62

Total as above . . . . . \$12,189.40

## PER CAPITA

During the year the average number of inmates has been 1,084.288.  
 Total cost of maintenance, \$380,768.54.  
 Equal to a weekly per capita cost of \$6.7532.  
 Receipts from sales, \$1,722.96.  
 Equal to a weekly per capita of \$.0305.  
 All other institution receipts \$51,496.64.  
 Equal to a weekly per capita of \$.9133.  
 Net weekly per capita \$5.8094.

Respectfully submitted,  
 HARRIETT S. BAYLEY,

*Treasurer.*

## STATISTICAL TABLES

AS ADOPTED BY THE AMERICAN PSYCHIATRIC ASSOCIATION  
 PRESCRIBED BY THE MASSACHUSETTS DEPARTMENT OF MENTAL DISEASES

TABLE 1. *General Information*

Data correct at end of hospital year November 30, 1932

1. Date of opening as a hospital for mental diseases, June 1, 1914.

2. Type of hospital: State.

3. Hospital plant:

Value of hospital property:

Real estate, including buildings	\$1,962,948.24
Personal property	289,323.41

Total	\$2,252,271.65
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Total acreage of hospital property owned, 352.4.

Additional acreage rented, 8.

Total acreage under cultivation during previous year, 60.

4. Officers and employees:

	Actually in Service at end of Year			Vacancies at End of Year		
	M.	F.	T.	M.	F.	T.
Superintendents	1	—	1	—	—	—
Assistant Superintendent	1	—	1	—	—	—
Assistant physicians	4	1	5	—	—	—
Total physicians	6	1	7	—	—	—
Stewards	1	—	1	—	—	—
Resident dentists	1	—	1	—	—	—
Pharmacists	1	—	1	—	—	—
Graduate nurses	—	12	12	—	1	1
Other nurses and attendants	50	50	100	—	1	1
Occupational therapists	—	3	3	—	—	—
Social workers	—	2	2	—	—	—
All other officers and employees	51	43	94	1	—	1
Total officers and employees	110	111	221	1	2	3

NOTE: — The following items, 5-10 inclusive, are for the year ended September 30, 1932.

	Actually in Hospital			Absent from Hospital but Still on Books		
	M.	F.	T.	M.	F.	T.
WHITE:						
Insane	459	582	1,041	52	48	100
Mental defectives	13	8	21	—	—	—
All other cases	1	—	1	1	—	1
Total	473	590	1,063	53	48	101
OTHER RACES						
Insane	19	24	43	—	3	3
Total	19	24	43	—	3	3
Grand Total	492	614	1,106	53	51	104

	Males	Females	Total
6. Patients under treatment in occupational-therapy classes, including physical training, on date of report	10	37	47
7. Other patients employed in general work of hospital on date of report	294	167	461
8. Average daily number of all patients actually in hospital during year	490.733	614.261	1,104.994
9. Voluntary patients admitted during year	—	—	—
10. Persons given advice or treatment in out-patient clinics during year	118	80	198

TABLE 2. *Financial Statement*

See Treasurer's report for data requested under this table

NOTE: — The following tables 3-18, inclusive, are for the statistical year ended September 30, 1932.

TABLE 3. *Movement of Patient Population*

	Regular Court Commitment (Insane)			Voluntary			Temporary Care			Observation			Total on Books		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Patients on books of institution September 30, 1931 .	517	610	1,127	2	1	3	-	-	-	4	1	5	523	612	1,135
2. Admissions during year:															
First Admissions . . . . .	91	109	200	-	-	-	6	-	6	7	6	13	104	115	219
Readmissions . . . . .	18	18	36	-	-	-	-	2	2	4	1	5	22	21	43
Transfers from other hospitals for mental diseases .	4	7	11	-	-	-	-	-	-	-	-	-	4	7	11
3. Total received during year . . . . .	113	134	247	-	-	-	6	2	8	11	7	18	130	143	273
4. Total on books during year . . . . .	630	744	1,374	2	1	3	6	2	8	15	8	23	653	755	1,408
5. Discharged from books during year:															
As recovered . . . . .	9	10	19	-	-	-	-	-	-	4	2	6	13	12	25
As improved . . . . .	31	19	50	-	-	-	3	-	3	4	3	7	38	22	60
As unimproved . . . . .	8	5	13	-	-	-	-	2	2	-	1	1	8	8	16
As without psychosis . . . . .	-	-	-	-	-	-	2	-	2	3	1	4	5	1	6
Transferred to other hospitals for mental diseases .	6	6	12	-	-	-	-	-	-	-	-	-	6	6	12
Died during year . . . . .	36	41	77	-	-	-	1	-	1	1	1	-	38	41	79
6. Total discharged, transferred and died during year .	90	81	171	-	-	-	6	2	8	12	7	19	108	90	198
7. Insane patients remaining on books of hospital at end of hospital year:															
In hospital . . . . .	488	613	1,101	2	-	2	-	-	-	2	1	3	492	614	1,106
On parole or otherwise absent . . . . .	52	51	103	-	-	-	-	-	-	1	-	1	53	51	104
Total . . . . .	540	664	1,204	2	-	2	-	-	-	3	1	4	545	665	1,210

NOTE: The total females in the Insane and Voluntary groups will not balance through September 30, 1932, owing to the fact that one female Voluntary patient had a C. L. S. during the year to an R. C. S. 51 commitment thus making the females on Voluntary status one less and the females on the R. C. status one more than would be expected.

TABLE 4. *Nativity of First Admissions and of Parents of First Admissions*

NATIVITY	PATIENTS			PARENTS OF MALE PATIENTS			PARENTS OF FEMALE PATIENTS		
	M.	T.	T.	Fathers	Mothers	Both Parents	Fathers	Mothers	Both Parents
United States . . . . .	56	67	123	26	26	23	41	38	34
Austria . . . . .	—	—	—	—	—	—	1	—	—
Canada <sup>1</sup> . . . . .	7	10	17	12	10	8	13	11	11
Cuba . . . . .	1	—	1	1	1	1	—	—	—
England . . . . .	1	3	4	3	1	—	6	8	6
Finland . . . . .	1	—	1	1	1	1	—	—	—
France . . . . .	—	—	—	—	1	—	—	—	—
Germany . . . . .	—	3	3	2	1	1	5	4	4
Hungary . . . . .	—	1	1	—	—	—	2	2	2
Ireland . . . . .	7	11	18	16	19	16	16	18	15
Italy . . . . .	2	2	4	4	4	4	5	5	5
Poland . . . . .	3	1	4	5	5	5	2	3	2
Portugal . . . . .	2	—	2	3	3	3	—	—	—
Roumania . . . . .	—	—	—	—	1	—	—	—	—
Russia . . . . .	5	2	7	6	5	5	3	3	3
Scotland . . . . .	1	3	4	1	1	1	4	3	3
Sweden . . . . .	2	3	5	4	3	3	5	5	5
Turkey in Asia . . . . .	—	1	1	—	—	—	1	1	1
Turkey in Europe . . . . .	1	—	1	1	1	1	—	—	—
West Indies <sup>2</sup> . . . . .	—	1	1	—	—	—	1	1	1
Other countries . . . . .	2	1	3	2	2	2	2	2	2
Unascertained . . . . .	—	—	—	4	6	4	2	5	2
Total . . . . .	91	109	200	91	91	78	109	109	96

<sup>1</sup>Includes Newfoundland.<sup>2</sup>Except Cuba and Porto Rico.





TABLE 5. *Citizenship of First Admissions*

	Males	Females	Total
Citizens by birth . . . . .	56	67	123
Citizens by naturalization . . . . .	14	23	37
Aliens . . . . .	19	17	36
Citizenship unascertained . . . . .	2	2	4
Total . . . . .	91	109	200

TABLE 6. *Psychoses of First Admissions*

PSYCHOSES	M. F. T.			M. F. T.		
	M.	F.	T.	M.	F.	T.
1. Traumatic psychoses . . . . .				1	—	1
2. Senile psychoses . . . . .				3	20	23
3. Psychoses with cerebral arteriosclerosis . . . . .				18	8	26
4. General paralysis . . . . .				4	3	7
5. Psychoses with cerebral syphilis . . . . .				2	1	3
6. Psychoses with Huntington's chorea . . . . .				—	—	—
7. Psychoses with brain tumor . . . . .				—	—	—
8. Psychoses with other brain or nervous diseases, other diseases . . . . .				3	3	6
9. Alcoholic psychoses, total . . . . .				13	2	1
Korsakow's psychosis . . . . .	1	1	2			
Acute hallucinosis . . . . .	5	1	6			
Other types, acute or chronic . . . . .	7	—	7			
10. Psychoses due to drugs and other exogenous toxins, total . . . . .				—	—	—
11. Psychoses with pellagra . . . . .				1	—	1
12. Psychoses with other somatic diseases, total . . . . .				1	—	1
Cardio-renal diseases . . . . .	1	—	1			
13. Manic-depressive psychoses, total . . . . .				11	14	25
Manic type . . . . .	5	7	12			
Depressive type . . . . .	6	6	12			
Other types . . . . .	—	1	1			
14. Involution melancholia . . . . .				3	9	12
15. Dementia praecox (schizophrenia) . . . . .				26	26	52
16. Paranoia and paranoid conditions . . . . .				—	6	6
17. Epileptic psychoses . . . . .				2	2	4
18. Psychoneuroses and neuroses, total . . . . .				1	2	3
Hysterical type . . . . .	—	1	1			
Psychasthenic type (anxiety and obsessive forms) . . . . .	1	—	1			
Other types . . . . .	—	1	1			
19. Psychoses with psychopathic personality . . . . .				—	5	5
20. Psychoses with mental deficiency . . . . .				1	6	7
21. Undiagnosed psychoses . . . . .				—	—	—
22. Without psychosis, total . . . . .				1	2	3
Mental deficiency, without psychosis . . . . .	1	2	3			
Total . . . . .				91	109	200

TABLE 7. *Race of First Admissions Classified with Reference to Principal Psychoses*

RACE	Total			Traumatic			Senile			With cerebral arterio-sclerosis			General paralysis			With cerebral syphilis		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	4	2	6	—	—	—	—	—	—	1	—	1	1	—	1	1	—	1
Armenian	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
English	24	27	51	—	—	—	1	8	9	9	3	12	1	1	2	—	—	—
Finnish	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
French	6	9	15	—	—	—	—	2	2	1	1	2	1	1	2	—	—	—
German	1	6	7	—	—	—	1	2	3	—	—	—	—	—	—	—	—	—
Hebrew	5	3	8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Irish	18	21	39	—	—	—	1	2	3	4	2	6	—	1	1	—	—	—
Italian <sup>1</sup>	4	5	9	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—
Lithuanian	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Magyar	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Portuguese	3	—	3	1	—	1	—	—	—	—	—	—	—	—	—	1	—	1
Scandinavian <sup>2</sup>	4	5	9	—	—	—	—	2	2	—	—	—	—	—	—	—	—	—
Scotch	1	3	4	—	—	—	—	1	1	1	1	2	—	—	—	—	—	—
Slavonic <sup>3</sup>	6	3	9	—	—	—	—	1	1	—	—	—	—	—	—	—	1	1
Turkish	2	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other specific races	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mixed	11	18	29	—	—	—	—	—	—	2	1	3	1	—	1	—	—	—
Race unascertained	—	2	2	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—
Total	91	109	200	1	—	1	3	20	23	18	8	26	4	3	7	2	1	3

TABLE 7. *Race of First Admissions Classified with Reference to Principal Psychoses — Continued*

RACE	With other brain or nervous diseases			Alcoholic			With pellagra			With other somatic diseases			Manic-depressive			Involution melancholia		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
Armenian	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
English	—	1	1	—	1	1	—	—	—	1	—	1	4	3	7	1	2	3
Finnish	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—
French	—	—	—	1	—	1	—	—	—	—	—	—	—	1	1	1	—	1
German	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	1	1
Hebrew	1	1	2	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—
Irish	1	1	2	3	—	3	1	—	1	—	—	—	2	5	7	1	3	4
Italian <sup>1</sup>	—	—	—	1	—	1	—	—	—	—	—	—	—	1	1	—	1	1
Lithuanian	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Magyar	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Portuguese	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Scandinavian <sup>2</sup>	—	—	—	1	1	2	—	—	—	—	—	—	1	—	1	—	1	1
Scotch	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—
Slavonic <sup>3</sup>	—	—	—	4	—	4	—	—	—	—	—	—	1	—	1	—	—	—
Turkish	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
Other specific races	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mixed	1	—	1	1	—	1	—	—	—	—	—	—	1	2	3	—	1	1
Race unascertained	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	3	3	6	13	2	15	1	—	1	1	—	1	11	14	25	3	9	12

<sup>1</sup>Includes "North" and "South."<sup>2</sup>Norwegians, Danes, and Swedes.<sup>3</sup>Includes Bohemian, Bosnian, Croatian, Dalmatian, Herzegovinian, Montenegrin, Moravian, Polish, Russian, Ruthenian, Servian, Slovak, Slovenian.

TABLE 7. *Race of First Admissions Classified with Reference to Principal Psychoses — Concluded*

RACE	Dementia praecox			Paranoia and paranoid conditions			Epileptic psychoses			Psycho- neuroses and neuroses			With psycho- pathic per- sonality			With men- tal deficiency			Without psychoses		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Armenian.	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
English	5	3	8	—	—	—	—	—	—	1	1	—	3	3	—	1	1	2	1	—	1
Finnish	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
French	1	3	4	—	—	—	—	—	—	1	—	1	—	1	1	—	—	—	—	—	—
German	—	1	1	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hebrew	3	1	4	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—
Irish	5	3	8	—	2	2	—	1	1	—	—	—	—	—	—	1	1	—	—	—	—
Italian <sup>1</sup>	2	—	2	—	—	—	1	—	1	—	—	—	—	—	—	1	1	—	1	1	1
Lithuanian	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Magyar	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Portuguese	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Scandinavian <sup>2</sup>	2	1	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Scotch	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Slavonic <sup>3</sup>	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Turkish	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other specific races	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mixed	4	5	9	—	3	3	1	1	2	—	1	1	—	1	1	—	2	2	—	1	1
Race unascertained	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	26	26	52	—	6	6	2	2	4	1	2	3	—	5	5	1	6	7	1	2	3

<sup>1</sup>Includes "North" and "South."<sup>2</sup>Norwegians, Danes and Swedes.<sup>3</sup>Includes Bohemian, Bosnian, Croatian, Dalmatian, Herzegovinian, Montenegrin, Moravian, Polish, Russian, Ruthenian, Servian, Slovak, Slovenian.TABLE 8. *Age of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			Under 15 years			15-19 years			20-24 years		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic.	1	—	1	—	—	—	—	—	—	—	—	—
2. Senile.	3	20	23	—	—	—	—	—	—	—	—	—
3. With cerebral arteriosclerosis.	18	8	26	—	—	—	—	—	—	—	—	—
4. General paralysis	4	3	7	—	—	—	—	—	—	—	—	—
5. With cerebral syphilis	2	1	3	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	3	3	6	—	—	—	1	1	—	—	—	—
9. Alcoholic	13	2	15	—	—	—	—	—	—	—	—	—
10. Due to drugs and other exogenous toxins	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra	1	—	1	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	1	—	1	—	—	—	—	—	—	—	—	—
13. Manic-depressive	11	14	25	—	—	—	1	4	5	—	1	1
14. Involution melancholia	3	9	12	—	—	—	—	—	—	—	—	—
15. Dementia praecox	26	26	52	—	—	—	3	2	5	11	4	15
16. Paranoia and paranoid conditions	—	6	6	—	—	—	—	—	—	—	—	—
17. Epileptic psychoses	2	2	4	—	—	—	—	—	—	1	—	1
18. Psychoneuroses and neuroses	1	2	3	—	—	—	—	1	1	—	—	—
19. With psychopathic personality	—	5	5	—	—	—	—	—	—	—	—	—
20. With mental deficiency	1	6	7	—	—	—	—	—	—	1	2	3
21. Undiagnosed psychoses	—	—	—	—	—	—	—	—	—	—	—	—
22. Without psychosis	1	2	3	—	—	—	—	—	—	—	1	1
Total	91	109	200	—	—	—	4	8	12	13	8	21



TABLE 8. *Age of First Admissions Classified with Reference to Principal Psychoses — Continued*

PSYCHOSES	25-29 years			30-34 years			35-39 years			40-44 years			45-49 years		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic . . . . .	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
2. Senile . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3. With cerebral arteriosclerosis . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4. General paralysis . . . . .	-	-	-	-	-	-	1	1	2	-	1	1	2	1	3
5. With cerebral syphilis . . . . .	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
6. With Huntington's chorea . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
9. Alcoholic . . . . .	1	-	1	1	-	1	2	-	2	6	1	7	1	-	1
10. Due to drugs and other exogenous toxins . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13. Manic-depressive . . . . .	-	-	-	1	1	2	-	1	1	-	1	1	1	-	1
14. Involution melancholia . . . . .	-	-	-	-	-	-	-	-	-	-	2	2	-	1	1
15. Dementia praecox . . . . .	3	5	8	2	5	7	4	5	9	3	2	5	-	1	1
16. Paranoia and paranoid conditions . . . . .	-	-	-	-	-	-	1	1	-	-	-	-	3	3	-
17. Epileptic psychoses . . . . .	1	-	1	2	2	-	-	-	-	-	-	-	-	-	-
18. Psychoneuroses and neuroses . . . . .	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
19. With psychopathic personality . . . . .	-	2	2	-	1	1	-	-	-	-	-	-	2	2	-
20. With mental deficiency . . . . .	-	1	1	-	-	-	-	3	3	-	-	-	-	-	-
21. Undiagnosed psychoses . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22. Without psychosis . . . . .	1	-	1	-	-	-	-	1	1	-	-	-	-	-	-
Total . . . . .	6	9	15	4	9	13	8	12	20	10	7	17	5	8	13

TABLE 8. *Age of First Admissions Classified with Reference to Principal Psychoses — Concluded*

PSYCHOSES	50-54 years			55-59 years			60-64 years			65-69 years			70 years and over		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2. Senile . . . . .	-	-	-	1	-	1	-	-	-	-	5	5	2	15	17
3. With cerebral arteriosclerosis . . . . .	-	1	1	2	-	2	5	-	5	4	3	7	7	4	11
4. General paralysis . . . . .	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
5. With cerebral syphilis . . . . .	1	-	1	-	-	-	1	-	1	-	-	-	-	-	-
6. With Huntington's chorea . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases . . . . .	1	-	1	-	1	1	-	-	-	1	1	2	-	-	-
9. Alcoholic . . . . .	1	-	1	-	-	-	-	-	-	1	1	2	-	-	-
10. Due to drugs and other exogenous toxins . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra . . . . .	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
12. With other somatic diseases . . . . .	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
13. Manic-depressive . . . . .	1	1	2	3	3	6	3	1	4	1	-	1	-	1	1
14. Involution melancholia . . . . .	-	5	5	2	-	2	1	1	2	-	-	-	-	-	-
15. Dementia praecox . . . . .	-	-	-	-	1	1	-	1	1	-	-	-	-	-	-
16. Paranoia and paranoid conditions . . . . .	-	-	-	-	1	1	-	1	1	-	-	-	-	-	-
17. Epileptic psychoses . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18. Psychoneuroses and neuroses . . . . .	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
19. With psychopathic personality . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20. With mental deficiency . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21. Undiagnosed psychoses . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22. Without psychosis . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total . . . . .	5	8	13	9	6	15	11	4	15	7	10	17	9	20	29

TABLE 9. Degree of Education of First Admissions Classified with Reference to Principal Psychoses

PSYCHOSES	Total		Illiterate		Reads and writes <sup>1</sup>		Common School		High School		College		Unascertained
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	
1. Traumatic . . . . .	1	1	-	-	-	-	1	1	-	-	-	-	-
2. Senile . . . . .	3	20	-	-	-	-	1	13	1	1	-	-	-
3. With cerebral arteriosclerosis . . . . .	18	8	-	-	1	3	16	6	1	2	-	-	1
4. General paralysis . . . . .	4	3	-	-	2	2	3	2	1	1	-	-	1
5. With cerebral syphilis . . . . .	2	1	-	-	1	1	2	1	1	1	-	-	-
6. With Huntington's chorea . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases . . . . .	3	3	-	-	-	-	2	2	-	-	-	-	-
9. Alcoholic . . . . .	13	2	4	4	2	1	4	1	3	1	-	-	1
10. Due to drugs and other exogenous toxins . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra . . . . .	1	-	-	-	1	1	-	-	-	-	-	-	-
12. With other somatic diseases . . . . .	1	-	-	-	-	-	-	-	-	-	-	-	-
13. Manic-depressive . . . . .	11	14	-	-	1	1	8	11	1	3	-	-	1
14. Involution melancholia . . . . .	3	9	-	-	-	1	2	6	2	2	-	-	1
15. Dementia praecox . . . . .	26	26	-	-	3	3	14	12	6	16	3	1	4
16. Paranoia and paranoid conditions . . . . .	-	6	-	-	-	-	-	3	3	3	-	-	-
17. Epileptic psychoses . . . . .	2	2	-	-	-	-	2	1	1	1	-	-	-
18. Psychoneuroses and neuroses . . . . .	1	2	-	-	-	-	-	1	1	2	-	-	-
19. With psychopathic personality . . . . .	-	5	-	-	-	-	-	3	1	1	-	-	-
20. With mental deficiency . . . . .	1	6	1	2	3	3	-	1	1	1	-	-	-
21. Undiagnosed psychoses . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-
22. Without psychosis . . . . .	1	2	-	-	-	-	1	2	-	-	-	-	-
Total . . . . .	91	109	5	3	8	12	56	65	12	22	3	7	10
		200				23	121		34		3	1	4

<sup>1</sup>Includes those who did not complete fourth grade in school.

TABLE 10. *Environment of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			Urban			Rural		
	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic . . . . .	1	—	1	1	—	1	—	—	—
2. Senile . . . . .	3	20	23	3	20	23	—	—	—
3. With cerebral arteriosclerosis . . . . .	18	8	26	18	7	25	1	—	1
4. General paralysis . . . . .	4	3	7	4	3	7	—	—	—
5. With cerebral syphilis . . . . .	2	1	3	2	1	3	—	—	—
6. With Huntington's chorea . . . . .	—	—	—	—	—	—	—	—	—
7. With brain tumor . . . . .	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases . . . . .	3	3	6	3	3	6	—	—	—
9. Alcoholic . . . . .	13	2	15	13	2	15	—	—	—
10. Due to drugs and other exogenous toxins . . . . .	—	—	—	—	—	—	—	—	—
11. With pellagra . . . . .	1	—	1	1	—	1	—	—	—
12. With other somatic diseases . . . . .	1	—	1	1	—	1	—	—	—
13. Manic-depressive . . . . .	11	14	25	11	14	25	—	—	—
14. Involution melancholia . . . . .	3	9	12	3	8	11	—	1	1
15. Dementia praecox . . . . .	26	26	52	26	26	52	—	—	—
16. Paranoia and paranoid conditions . . . . .	—	6	6	—	6	6	—	—	—
17. Epileptic psychoses . . . . .	2	2	4	2	2	4	—	—	—
18. Psychoneuroses and neuroses . . . . .	1	2	3	1	2	3	—	—	—
19. With psychopathic personality . . . . .	—	5	5	—	5	5	—	—	—
20. With mental deficiency . . . . .	1	6	7	—	5	5	1	1	2
21. Undiagnosed psychoses . . . . .	—	—	—	—	—	—	—	—	—
22. Without psychosis . . . . .	1	2	3	1	2	3	—	—	—
Total . . . . .	91	109	200	89	107	196	2	2	4

TABLE 11. *Economic Condition of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			Dependent			Marginal			Comfortable			Unascertained		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic . . . . .	1	—	1	—	—	—	1	—	1	—	—	—	—	—	—
2. Senile . . . . .	3	20	23	—	6	6	1	11	12	2	2	4	—	1	1
3. With cerebral arteriosclerosis . . . . .	18	8	26	3	2	5	12	4	16	2	2	4	1	—	1
4. General paralysis . . . . .	4	3	7	—	—	—	3	3	6	1	—	1	—	—	—
5. With cerebral syphilis . . . . .	2	1	3	1	—	1	1	1	2	—	—	—	—	—	—
6. With Huntington's chorea . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases . . . . .	3	3	6	1	—	1	1	2	3	—	1	1	1	—	1
9. Alcoholic . . . . .	13	2	15	1	1	2	11	1	12	1	—	1	—	—	—
10. Due to drugs and other exogenous toxins . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra . . . . .	1	—	1	—	—	—	—	—	—	1	—	1	—	—	—
12. With other somatic diseases . . . . .	1	—	1	—	—	—	1	—	1	—	—	—	—	—	—
13. Manic-depressive . . . . .	11	14	25	1	1	2	7	9	16	2	4	7	—	—	—
14. Involution melancholia . . . . .	3	9	12	1	—	1	2	6	9	—	3	3	—	—	—
15. Dementia praecox . . . . .	26	26	52	2	2	4	22	18	40	2	5	7	—	1	1
16. Paranoia and paranoid conditions . . . . .	—	6	6	—	1	1	—	3	3	—	2	2	—	—	—
17. Epileptic psychoses . . . . .	2	2	4	—	—	—	1	2	3	1	—	1	—	—	—
18. Psychoneuroses and neuroses . . . . .	1	2	3	—	—	—	1	2	3	—	—	—	—	—	—
19. With psychopathic personality . . . . .	—	5	5	—	—	—	—	4	4	—	1	1	—	—	—
20. With mental deficiency . . . . .	1	6	7	—	2	2	—	4	4	1	—	1	—	—	—
21. Undiagnosed psychoses . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22. Without psychosis . . . . .	1	2	3	—	—	—	—	—	—	1	2	3	—	—	—
Total . . . . .	91	109	200	10	15	25	64	70	134	15	22	37	2	2	4

TABLE 12. *Use of Alcohol by First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			Abstinent			Temperate			Intemperate			Unascertained		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic . . . . .	1	—	1	—	—	—	—	—	—	1	—	1	—	—	—
2. Senile . . . . .	3	20	23	1	15	16	1	4	5	1	1	2	—	—	—
3. With cerebral arteriosclerosis . . . . .	18	8	26	5	6	11	8	1	9	3	1	4	2	—	2
4. General paralysis . . . . .	4	3	7	1	2	3	2	1	3	1	—	1	—	—	—
5. With cerebral syphilis . . . . .	2	1	3	1	1	2	1	—	1	—	—	—	—	—	—
6. With Huntington's chorea . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases . . . . .	3	3	6	1	2	3	—	—	—	1	1	2	1	—	1
9. Alcoholic . . . . .	13	2	15	—	—	—	—	—	—	13	2	15	—	—	—
10. Due to drugs and other exogenous toxins . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra . . . . .	1	—	1	—	—	—	1	—	1	1	—	1	—	—	—
12. With other somatic diseases . . . . .	1	—	1	—	—	—	1	—	1	—	—	—	—	—	—
13. Manic-depressive . . . . .	11	14	25	8	12	20	1	2	3	1	—	1	1	—	1
14. Involution melancholia . . . . .	3	9	12	1	8	9	—	1	1	1	—	1	1	—	1
15. Dementia praecox . . . . .	26	26	52	15	22	37	10	3	13	1	1	2	—	—	—
16. Paranoia and paranoid conditions . . . . .	—	6	6	—	4	4	—	2	2	—	—	—	—	—	—
17. Epileptic psychoses . . . . .	2	2	4	1	2	3	1	—	1	—	—	—	—	—	—
18. Psycho-neuroses and neuroses . . . . .	1	2	3	1	2	3	—	—	—	—	—	—	—	—	—
19. With psychopathic personality . . . . .	—	5	5	—	4	4	—	—	—	—	1	1	—	—	—
20. With mental deficiency . . . . .	1	6	7	1	5	6	—	—	—	—	1	1	—	—	—
21. Undiagnosed psychoses . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22. Without psychosis . . . . .	1	2	3	1	2	3	—	—	—	—	—	—	—	—	—
Total . . . . .	91	109	200	37	87	124	25	14	39	24	8	32	5	—	5



TABLE 13. *Marital Condition of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			Single			Married			Widowed			Separated			Divorced		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic . . . . .	1	-	1	1	1	2	1	3	4	6	13	13	-	-	-	-	-	-
2. Senile . . . . .	3	20	23	1	2	3	2	4	6	2	3	5	2	2	4	1	1	2
3. With cerebral arteriosclerosis . . . . .	18	8	26	3	3	6	9	3	12	2	2	4	2	2	4	1	1	2
4. General paralysis . . . . .	4	3	7	1	-	1	2	3	5	-	-	-	-	-	-	-	-	-
5. With cerebral syphilis . . . . .	2	1	3	-	-	-	2	1	3	-	-	-	-	-	-	-	-	-
6. With Huntington's chorea . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases . . . . .	3	3	6	1	2	3	2	1	3	-	-	-	-	-	-	-	-	-
9. Alcoholic . . . . .	13	2	15	5	-	5	6	1	7	-	-	-	1	1	2	1	1	2
10. Due to drugs and other exogenous toxins . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra . . . . .	1	-	1	1	-	1	-	-	-	-	1	2	-	-	-	-	-	-
12. With other somatic diseases . . . . .	1	-	1	2	2	4	6	7	13	1	2	3	1	1	2	-	-	-
13. Manic-depressive . . . . .	3	9	12	1	2	3	2	5	7	-	-	1	1	2	-	-	-	-
14. Involution melancholia . . . . .	26	26	52	20	14	34	4	12	16	1	1	2	1	1	2	-	-	-
15. Dementia praecox . . . . .	-	6	6	-	3	3	-	1	1	-	-	1	1	1	-	-	-	-
16. Paranoia and paranoid conditions . . . . .	-	2	2	2	1	3	3	1	1	-	-	1	1	1	-	-	-	-
17. Epileptic psychoses . . . . .	-	1	1	2	3	5	1	1	2	-	-	2	2	-	-	-	-	-
18. Psychoneuroses and neuroses . . . . .	-	5	5	-	1	1	1	1	2	-	-	-	-	-	-	-	-	-
19. With psychopathic personality . . . . .	-	6	6	1	6	7	-	-	-	-	-	-	-	-	-	-	-	-
20. With mental deficiency . . . . .	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21. Undiagnosed psychoses . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22. Without psychosis . . . . .	1	2	3	1	2	3	-	-	-	-	-	-	-	-	-	-	-	-
Total . . . . .	91	109	200	40	40	80	36	42	78	7	21	28	5	2	7	3	4	7

TABLE 14. *Psychoses of Readmissions*

PSYCHOSES	Males	Females	Total
1. Traumatic psychoses . . . . .	—	—	—
2. Senile psychoses . . . . .	—	2	2
3. Psychoses with cerebral arteriosclerosis . . . . .	—	—	—
4. General paralysis . . . . .	4	—	4
5. Psychoses with cerebral syphilis . . . . .	—	—	—
6. Psychoses with Huntington's chorea . . . . .	—	—	—
7. Psychoses with brain tumor . . . . .	—	—	—
8. Psychoses with other brain or nervous diseases . . . . .	—	3	3
9. Alcoholic psychoses . . . . .	2	1	3
10. Psychoses due to drugs and other exogenous toxins . . . . .	—	—	—
11. Psychoses with pellagra . . . . .	—	—	—
12. Psychoses with other somatic diseases . . . . .	—	—	—
13. Manic-depressive psychoses . . . . .	6	5	11
14. Involution melancholia . . . . .	—	—	—
15. Dementia praecox . . . . .	6	6	12
16. Paranoia and paranoid conditions . . . . .	—	1	1
17. Epileptic psychoses . . . . .	—	—	—
18. Psychoneuroses and neuroses . . . . .	—	—	—
19. Psychoses with psychopathic personality . . . . .	—	—	—
20. Psychoses with mental deficiency . . . . .	—	—	—
21. Undiagnosed psychoses . . . . .	—	—	—
22. Without psychosis . . . . .	—	—	—
Total . . . . .	18	18	36

TABLE 15. *Discharges of Patients Classified with Reference to Principal Psychoses and Condition on Discharge*

PSYCHOSES	Total			Recovered			Improved			Unimproved		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic . . . . .	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile . . . . .	—	1	1	—	—	—	—	1	1	—	—	—
3. With cerebral arteriosclerosis . . . . .	4	1	5	2	1	3	2	—	2	—	—	—
4. General paralysis . . . . .	2	1	3	—	—	—	1	1	2	1	—	1
5. With cerebral syphilis . . . . .	1	—	1	—	—	—	1	—	1	—	—	—
6. With Huntington's chorea . . . . .	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor . . . . .	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases . . . . .	2	3	5	—	—	—	2	1	3	—	2	2
9. Alcoholic . . . . .	4	—	4	—	—	—	2	—	2	2	—	2
10. Due to drugs and other exogenous toxins . . . . .	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra . . . . .	1	—	1	1	—	1	—	—	—	—	—	—
12. With other somatic diseases . . . . .	—	—	—	—	—	—	—	—	—	—	—	—
13. Manic-depressive . . . . .	12	12	24	5	7	12	6	4	10	1	1	2
14. Involution melancholia . . . . .	—	2	2	—	—	—	—	2	2	—	—	—
15. Dementia praecox . . . . .	17	10	27	—	1	1	13	7	20	4	2	6
16. Paranoia and paranoid conditions . . . . .	1	1	2	—	—	—	1	1	2	—	—	—
17. Epileptic psychoses . . . . .	—	—	—	—	—	—	—	—	—	—	—	—
18. Psychoneuroses and neuroses . . . . .	1	—	1	—	—	—	1	—	1	—	—	—
19. With psychopathic personality . . . . .	1	3	4	1	1	2	—	2	2	—	—	—
20. With mental deficiency . . . . .	2	—	2	—	—	—	2	—	2	—	—	—
21. Undiagnosed psychoses . . . . .	—	—	—	—	—	—	—	—	—	—	—	—
22. With psychosis . . . . .	—	—	—	—	—	—	—	—	—	—	—	—
Total . . . . .	48	34	82	9	10	19	31	19	50	8	5	13



TABLE 16. Causes of Death of Patients Classified with Reference to Principal Psychoses — Concluded

CAUSES OF DEATH	Incolution melancholia			Dementia praecox			Epileptic psychoses			With mental deficiency			iAll other psychoses		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
<i>Epidemic, Endemic and Infectious Diseases</i>															
Erysipelas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tuberculosis of the respiratory system.	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-
Syphilis (non-nervous forms)	-	-	-	-	1	2	-	-	-	-	-	-	1	-	1
Purulent infectious, septicaemia	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2
<i>General Diseases not Included in Class I</i>															
Cancer and other malignant tumors	-	-	1	1	-	1	-	-	-	-	-	-	-	-	-
<i>Diseases of the Nervous System</i>															
Cerebral hemorrhage, apoplexy	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
General paralysis of the insane	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Epilepsy	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-
Other diseases of the nervous system	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2
<i>Diseases of the Circulatory System</i>															
Endocarditis and myocarditis	-	3	3	-	2	2	-	-	-	-	-	-	1	-	1
Other diseases of the heart	-	-	-	1	1	2	-	1	1	-	-	-	-	-	-
Arteriosclerosis	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
<i>Diseases of the Respiratory System</i>															
Bronchopneumonia.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lobar pneumonia	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
Pleurisy	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
<i>Diseases of the Digestive System</i>															
Hernia and intestinal obstruction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases of intestines	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
Cirrhosis of liver	-	-	-	-	-	1	1	-	1	-	1	-	-	-	-
<i>Non-Veneral Diseases of the Genito-Urinary and Anæmia</i>															
Nephritis.	-	-	-	-	-	1	1	-	-	-	-	-	1	-	1
Other diseases of genital organs	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
<i>Diseases of the Skin and of the Cellular Tissue</i>															
Other diseases of skin and anæmia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>External Causes</i>															
Accidental traumatism	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-
Total.	1	5	6	6	10	16	-	2	2	-	1	-	1	6	2
														8	

Includes group 22, "without psychosis"



TABLE 17. Age of Patients at Time of Death Classified with Reference to Principal Psychoses

PSYCHOSES	Total			20-24 years			25-29 years			30-34 years			35-39 years			40-44 years		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic . . . . .	1	12	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2. Senile . . . . .	0	7	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3. With cerebral arteriosclerosis . . . . .	4	2	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4. General paralysis . . . . .	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
5. With cerebral syphilis . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6. With Huntington's chorea. . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor . . . . .	3	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases . . . . .	2	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9. Alcoholic . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10. Due to drugs and other exogenous toxins . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra . . . . .	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases . . . . .	2	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13. Manic-depressive . . . . .	1	5	6	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
14. Involution melancholia . . . . .	6	10	16	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2
15. Dementia praecox . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16. Paranoia and paranoid conditions . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17. Epileptic psychoses . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18. Psychoneuroses and neuroses . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19. With psychopathic personality . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20. With mental deficiency . . . . .	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21. Undiagnosed psychoses . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22. Without psychosis . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total . . . . .	36	41	77	-	-	-	1	-	1	-	1	1	2	2	4	-	1	1





TABLE 18. Total Duration of Hospital Life of Patients Dying in Hospital Classified According to Principal Psychoses — Concluded

PSYCHOSES	5-6 years		7-8 years		9-10 years		11-12 years		13-14 years		15-19 years		20 years and over	
	M.	F. T.	M.	F. T.	M.	F. T.	M.	F. T.	M.	F.xT.	M.	F. T.	M.	F. T.
1. Traumatic . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2. Senile . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3. With cerebral arteriosclerosis . . . . .	-	-	-	-	-	-	-	-	-	-	-	1	1	-
4. General paralysis . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5. With cerebral syphilis . . . . .	2	-	2	-	-	-	-	-	-	-	-	-	-	-
6. With Huntington's chorea . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9. Alcoholic . . . . .	-	-	-	-	-	-	1	1	-	-	-	-	1	-
10. Due to drugs and other exogenous toxins . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13. Manic-depressive . . . . .	-	-	-	-	-	-	-	-	-	-	-	1	-	1
14. Involution melancholia . . . . .	1	-	1	-	-	-	-	-	-	-	-	-	-	-
15. Dementia praecox . . . . .	1	3	4	-	-	-	-	-	-	1	1	-	3	3
16. Paranoia and paranoid conditions . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17. Epileptic psychoses . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18. Psychoneuroses and neuroses . . . . .	-	-	-	-	-	-	-	1	1	-	-	-	-	-
19. With psychopathic personality . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20. With mental deficiency . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21. Undiagnosed psychoses . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	1
22. Without psychosis . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total . . . . .	4	3	7	-	-	-	-	1	1	-	1	1	4	5





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The Commonwealth of Massachusetts

ANNUAL REPORT

OF THE

TRUSTEES

OF THE

FOXBOROUGH STATE HOSPITAL

FOR THE

YEAR ENDING NOVEMBER 30,

1933

DEPARTMENT OF MENTAL DISEASES



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TRUSTEES' REPORT

*To His Excellency the Governor and the Honorable Council:*

The Trustees of the Foxborough State Hospital have the honor to submit herewith their forty-second Annual Report covering the year ended November 30, 1933.

In the death on January seventh of Dr. George M. Kline, State Commissioner of Mental Diseases, the loss to this Commonwealth was deeply serious. Dr. Kline was a man eminent in his department, alike for his professional qualifications and his broad and intimate knowledge of the nature of mental diseases. His personality was considerate, helpful, and always cheering. His counsel was never-failing; and the friendly element that was breathed into all his reactions was assuring and manifestly helpful. In his seemingly untimely death, this hospital as much possibly as any institution in the Commonwealth, senses an irreparable loss.

The regretted resignation of Mrs. Minna R. Mulligan, November, 1932, was followed by the appointment by Governor Ely of Miss Jeannette C. Chrisholm of Waltham in January, 1933, to fill the vacancy.

We are glad to report that each meeting of the Board has been attended by a majority of its members.

During a large part of the year a continuation of the special procedure introduced the previous year, in which a half hour or more is given to examination of the work of each one of the several departments of the institution and in which a visit to the department is made and procedures are explained by its head.

The only special appropriation granted for the current year was the sum of \$3,000 for the resetting of boilers in the power house. This work was necessary to take care of any emergency. The boilers have been in use for so many years

that it is now considered necessary to have complete replacement and along with that an addition to the power house of sufficient size to make possible the installation of new and larger boilers of modern type.

After making a careful study of the problems connected with maintenance of this hospital and a general survey with a view to its future expansion it is strongly felt desirable to recommend at this time that the institution be further enlarged with a view to ultimately reaching a patient population of 2,000. Its location, natural facilities and type of construction all point to the enlargement of certain buildings to increase capacity for patients, and the remodelling of certain other buildings from their present use to be used as ward buildings. This would make possible a considerable increase in the capacity of the institution as a whole at a comparatively low cost of construction per bed. And the present Service Building with minor additions and alterations can then readily take care of the greater demand. The Hospital Colony Farm and tillable land about the main institution can be developed to adequately supply the necessary crops and dairy products.

Additions to the day spaces of the female wards and the verandas attached to the same were completed and opened for occupancy early in the year. And the benefits derived from this project became evident almost at once in the lessened difficulty in caring for the women patients especially, and also those of the disturbed type, and in their enjoyment and increased comfort.

One other project prominently before us is the need of acquiring certain parcels of land along a portion of the southern boundary of the hospital property in order to square up the grounds in that direction and to make possible the relocation of a public highway, now known as Chestnut Street, which passes directly through the hospital grounds. The large amount of through traffic at this point is a continuous menace to patients and employees. An appropriation is needed to grade and landscape these grounds, especially that portion in front of the hospital.

Among the more immediate needs of the hospital are an assembly hall; a laundry building; an enlargement of the day spaces on the male wards, with the verandas adjacent to the same; a separate unit to care for tuberculous cases; a home for members of the administrative group, and the remodelling of the main dining room and kitchen for conversion to cafeteria service. Besides these various additions new units are urgently needed on the Colony Farm in order to meet the requirements of the herd and adequately care for the storage of crops in order to prevent unnecessary waste.

Plans for several of these projects have been completed and are now under consideration for construction under the Federal Public Works Administration, namely, a building for tuberculous patients and furnishings; an assembly hall and furnishings; a laundry building and equipment; additions to male ward buildings and furnishings; additions to power house and additional equipment.

During the year the hospital was visited by the Commissioner and the Assistant Commissioner and was duly inspected by one of the assistants to the Commissioner. It was also visited by the Emergency Public Works Commission and the Committee on Public Welfare during which the immediate needs of the institution and further additions necessary to meet future expansion were fully discussed and examined.

In order to more easily identify the various ward buildings and thereby make them more systematic it was thought desirable to change the names applied to the same. Accordingly such change was made in February, 1933, each building being assigned a letter and each ward of the same a number. For example — A-building, Ward A-1; A-building — Ward A-2; A-building — Ward A-3.

Detailed statements of the administration of the hospital will be found in subjoined reports as given by the Superintendent and the Treasurer.

Respectfully submitted,

CHARLES A. LITTLEFIELD, *Chairman*

CLAIRE H. GURNEY

BENNET B. BRISTOL

HORACE A. KEITH

THOMAS J. SCANLON

JEANNETTE C. CHRISHOLM

WILLIAM H. BANNON

*Trustees.*



## SUPERINTENDENT'S REPORT

*To the Trustees of the Foxborough State Hospital:*

The forty-second annual report of the Superintendent of the Foxborough State Hospital for the year ending November 30, 1933 is herewith respectfully submitted. The statistical tables contained therein are for the year ending September 30, 1933.

### MOVEMENT OF POPULATION

On September 30, 1933 the census of the hospital was as follows:— On the wards, men, 502; women, 655; total, 1,157; on trial visit, men, 36; women, 61; total, 97; on escape, men, 17; women, 3; total, 20. The total number of patients in the care of the hospital was 1,274 of whom 555 were men and 719 were women.

On October 1, 1932, there were on the books of the hospital 545 men, 665 women total, 1,210. First admissions, by Regular Court commitment as insane, 105 men, 110 women; for Temporary Care, 6 men, 1 woman; for Observation Care, 14 men, 2 women. The total of all first admissions was 125 men, 113 women. Readmissions, by Regular Court Commitment, 17 men, 15 women; by Voluntary Court Commitment, 1 woman; for Temporary Care, 1 man, 2 women; for Observation Care, 3 men, 1 woman. Total of all readmissions was 21 men, 19 women. Transfers from other Hospitals for Mental Diseases, by Regular Court Commitment, 3 men, 11 women. Total of all transfers was 14.

There was a total of 292 Patients received during the year.

The average daily number of ex-service patients was, men, 25; women, 1; total, 26.

In the final section of this report there is complete information concerning the movement of population and statistical tables as adopted by the American Psychiatric Association, prescribed by the Massachusetts Department of Mental Diseases.

### WARDS — CHANGES AND ADDITIONS

In January the new dormitory at the hospital Colony was opened with a transfer of patients from the hospital. Selection was made of those especially suited to colony care. The patients very readily adapted themselves to the new surroundings and throughout the year have demonstrated the usefulness of the Colony. The patient personnel assigned to farm work and clearing of land has been greatly increased and already considerable gain in the farm production can be attributed to the opening of the dormitory.

### MEDICAL SERVICE

Changes in personnel:— On May 15, 1933, Dr. Joseph E. Wittig resigned as assistant physician to enter general practice. On July 15, 1933, Dr. Cornelia B. J. Schorer, a member of the resident staff retired from State Service. We would take this opportunity of expressing our appreciation of the many years of faithful service rendered by Dr. Schorer while at different times a member of the staff of hospitals under the Department of Mental Diseases. The work done by her while on the staff of this hospital was outstanding, especially as related to the traveling school clinic and the out-patient mental clinic in Brockton. On September 1, 1933, Dr. Gaylord P. Coon was appointed a senior physician. Dr. Coon is a graduate of Wisconsin University and received the degree of M. D. from the University of Chicago. He was a member of the resident medical staff of the Boston Psychopathic Hospital from 1928 to 1930, following which for a period of three years he was engaged in Commonwealth Fellowship Psychiatric Research Work. On September 9, 1933, Dr. Anne L. Clark was appointed an assistant physician and assigned to the work of the school clinic and out-patient clinics. She received her degree of A. B. from Wellesley College in 1907 and the degree of M. D. from Boston University School of Medicine in 1932. Dr. Clark served a general hospital internship in the New England Hospital for Women and Children. On November 11, 1933, Dr. Agnes Aznive Nersessian was appointed an assistant physician and assigned to the female service. She received her degree of A. B. from Oberlin College in 1928 and the degree of M. D. from Temple University Medical School in 1932. Dr. Nersessian served a general hospital internship in the New England Hospital for Women and Children and as clinical assistant at the Northampton State Hospital.

### EMPLOYEES

On November 30, 1933, the employee personnel was as follows:— Men, 114;

women, 112; total, 226. During the year a total of 84 left the service and a total of 88 joined the service. The general health of all employees was considered average. There were no serious epidemics during the year. A number of the employees sustained accidental injuries which were reported to the Department of Industrial Accidents.

#### HEALTH OF PATIENT POPULATION

There was no unusual amount of sickness during the year and there were no epidemics. Major operations were performed by the following members of the visiting staff: Drs. Thomas J. Scanlon, Lawrence J. Louis, William J. MacDonald, Wallace Haley, and Charles A. Gillon. In addition a rather large number of operations was performed by members of the resident staff who also administered all general anaesthesia. All new patients of suitable age, and all new employees were given inoculations. Tetanus antitoxin was administered in 5 cases. Several patients had dental extractions made under general anaesthesia. There were 151 lumbar punctures, and 39 patients were given a total of 528 antisyphilitic treatments of which 360 were intravenous and 168 intramuscular.

#### STAFF CONFERENCES

Conferences were held daily throughout the year except on Sunday. All new admissions were presented for diagnosis; also all patients who were to leave on a trial visit for the first time. We have continued the practice of examining in staff conference the records of all cases on trial visit before discharging the case from the hospital.

#### PHYSIOTHERAPY AND X-RAY

The work of this department has been carried on by Miss Mary Villone. The total number of treatments given was 951, as follows:— Baking, 378; massage, 378; diathermy, 12; auto-condensation, 185; total, 951. Number of men patients treated, 22; women, 30; employees, 18; total, 70.

X-ray — Individuals worked on, 435; films for general work, 902; dental, 301.

#### HYDROTHERAPY

The work in the men's department has been carried on by Mr. Carl M. Pease, and the women's department by Miss Florence McDonald. Additional equipment is very greatly needed on the continued treatment wards. A shortage of ward personnel at times has rendered it impossible to get full value out of the tonic bath suite.

Lectures and demonstrations to nurses in the training school and attendant nurses were given throughout the year.

	<i>Men</i>	<i>Women</i>
Number of patients given wet-sheet packs . . . . .	159	102
Number of packs administered . . . . .	624	2,462
Number of hours of treatment given in wet sheet packs . . . . .	2,257	12,110
Number of patients given continuous tubs . . . . .	131	152
Number of bath treatments given . . . . .	1,124	2,113
Number of hours of continuous bath treatments given . . . . .	8,603	9,988
Number of tonic bath treatments . . . . .	204	3,569

#### OCCUPATIONAL THERAPY

During the year of 1933-34 another change of personnel was made in this department due to the resignation of Miss E. Elizabeth Bowman. Miss Mildred Stuart, O. T. reg., graduate of the Boston School of Occupational Therapy, then became the director of the department. The two assistants remained. Classes both on the ward and in the Occupational Therapy Centre were carried on through the winter months, these classes having a composite average attendance of 125 patients contacted daily, either through the classes, through the library or through the physical education groups. The latter program proved very successful and consisted not only of walking, but also of group games, exercises and dancing, and work with the deteriorated type of patient in need of some form of habit training. From June until late in November the work of the department was carried on in conjunction with the canning room, the vegetables and fruit being picked and prepared for canning by patients under the direct supervision of the department. Classes were carried on regularly throughout the year in the Centre class room and on the wards, and it is our opinion that the work done by this department has been



beneficial to many patients under treatment. Classes in physical education seem to have been particularly worth while. The average number of patients now contacted daily is 150. The library also comes under the supervision of this department and has necessitated the cataloguing, issuing, distributing, mending and rebinding of books. Many volumes of medical journals were attractively and serviceably bound in the occupational department and through this work much valuable literature has become more readily accessible to the medical staff. Throughout the year many entertainments for the patients including picnics in the grove were conducted by the department. Besides this much valuable assistance was given in decorating for special occasions and assisting outside entertainers in their productions.

The following is a summary of the articles produced during the year: 8 altar napkins, 42 bibs, 8 prs. book ends, 1 book rack, 3 chair sets (3 pieces), 57 prs. curtains with valances and ties. 1 doz. dish cloths, 70 doz. dish towels, 12 doz. doilies, 10 door stops, 18 footstools, 18 prs. garters, 4 doz. handkerchiefs, 3 doz. jig saw puzzles, 6 luncheon sets, 3 medicine trays, 6 napkins, 11 doz. pillows, 4 doz. plant frames and boxes, 3 plaques, 4 doz. rugs, 25 doz. runners, 3 shelves, 1 shower curtain, 1 shoe shining stand, 2 tables, 10 prs. tie backs, 34 doz. tobacco bags, 27 tray cloths, 12 vases, 1 doz. wall hangings, 8 doz. wash cloths, 8 waste baskets, 1 runner.

#### WOMEN'S INDUSTRIAL

Much valuable work was done by the women patients in this department working under supervision. It is now being done in two divisions: one division in which there are manufactured all suitable articles from new materials, and the other in which there are manufactured curtains, embroidery pieces, and other articles for various uses. Also the greater part of the mending is done in this department. The following is a list of the articles produced:— 35 doz. aprons, 2 doz. oilcloth aprons, 13½ doz. bags, 22 strong blankets, 6½ doz. binders, 20 doz. belts, 5 doz. bed jackets, 12 doz. kitchen coats, 26 doz. combinations, 225 pr. curtains, 6 couch sets, 144 doz. covers, 66¼ doz. dresses, 3 doz. dish cloths, 31 doz. pair garters, 2 doz. surgical gowns, 5 doz. holders, 23 doz. mattress ticks, 98½ doz. night dresses, 54 doz. bedgowns, 4½ doz. pack sheets, 246 2/3 doz. pillow cases, 28½ doz. ticks, 5 doz. smocks, 37 doz. shirts, 339 doz. sheets, 1,006 pr. shorts, 8½ doz. tablecloths, 833 doz. towels, 107 pr. tiebacks, 107 valances, 100 window shades.

In the marking room special attention has been given to the marking of all patients' clothing and of all articles used in the institution. During the year, a total of 34,786 articles were marked.

#### MEN'S INDUSTRIAL

This work has been carried on by Mr. Henry A. Turner who has shown an unusual amount of interest in the preparation and canning of vegetables. Many articles were made from new material and many others repaired as follows:—

*Made:* 204 corn brooms, 603 yds. of towelling woven, 17 long handled scrub brushes, 1 test box, 1 table, 2 cushions, 8 pictures framed, 139 window shades, 276 mattresses, 153 pillows, 1 mat case, 5 doors, 1 fernery, 1 fire location box, 4 kitchen ladders, 7 culling boards, 1 floor swab, 13 tray card holders, 3 mantel piece brackets, 1 12-compartment antidote carrier, 1 church altar, 1 wooden fire hose plug, 269 prs. socks woven, 1 strong mattress, 10 can carriers and slides, 1 double mattress, 25 sign boards, 1 babiting mandrel, 1 dining table, 3 sets boiler headers, 1 costumer, 2 polishing blocks, 1 stand, 1 microscope stand, 24 truck stakes, and 1 shoe shining box.

*Repaired:* 450 shoes patched, 586 shoes heeled, 389 shoes machine stitched, 251 chairs scraped, 47 clocks, 14 tables scraped, 470 handles, 70 spectacles repaired, 36 chairs caned, 140 floor brushes, 200 leather articles, 18 locks, 11 prs. crutches, 8 mop wringers, 1 dining suite, 3 kitchen stools, 30 benches, 159 window shades, 26 drawers, 5 sewing machines, 71 pair scissors sharpened, 217 pieces furniture refinished, 4 settees, 3 invalid chairs, 1 desk top veneered, 1 filing cabinet, 1 fire location box, 1 artificial leg, 1 door fitted, 2 laundry clips filed, 1 shoe box, 11 knives sharpened for laboratory, 1 barber chair, 5 billiard cues, 1 set of shelves installed in cupboard, 1 medicine chest, 1 shovel handle, 2 canvas covers sewed for laundry, 1 hydro-curtain stand, 1 floor polisher, 1 fernery, 5 pairs suspenders, 9 dish washer

crates rebuilt, 1 bath screen, 4 wheel chairs, 12 tables, 31 mattresses, 3 book cases, 1 steam diaphragm turned, 1 loom, 2 toilet seats, 2 carpet sweepers, 5 doz. bed feet turned, 3 dish washer trays, and 3 tables refinished.

*Canning:* 2,138 gals. string beans, 633 gals. waxed beans, 90 gals. beet greens, 1,186 gals. cabbage, 1,910 gals. tomatoes, 23 bbls. beans cut for kitchen, 1,003 gals. onions, 205 gals. squash, 1,023 gals. apples, 812 gals. carrots.

#### PATHOLOGICAL AND RESEARCH

The work of this department has been carried on under the direction of Dr. David Rothschild with Mr. Charles Hamberg in charge of the laboratory. One student finished the course in laboratory technique.

*Pathological Department:* Twenty-one autopsies were performed during the current year, comprising 21% of the deaths occurring in the hospital. The psychiatric diagnoses made by the clinical staff in these cases were as follows:

Senile psychosis, 4; manic-depressive psychosis, manic type, 2; psychosis with cerebral arteriosclerosis, 2; involuntional melancholia, 2; Alzheimer's disease, 2; dementia praecox, 2; general paresis, 1; tabo paresis, 1; psychosis with other brain or nervous diseases, type undetermined, 1; psychosis with somatic diseases, 1; psychosis with Huntington's chorea, 1; psychosis with mental deficiency, 1; undiagnosed psychosis, 1.

The primary causes of death were as follows:

Cardiorenal disease, 3; pulmonary tuberculosis, 2; cerebral arteriosclerosis, 1; generalized arteriosclerosis, 1; rupture of the heart (with arteriosclerosis), 1; chronic myocarditis, 2; tabo paresis, 1; neurosyphilis (type undetermined), 1; Alzheimer's disease, 1; Huntington's chorea, 1; cellulitis of the right elbow, 1; senile psychosis, 1; retroperitoneal and mediastinal tumor, 1; malignant tumor of the ovary with metastasis to liver and mesentery, 1; carcinoma of the prostate, 1; carcinoma of the gall-bladder with metastasis to liver, 1; gangrene of the left leg (arteriosclerotic), 1.

During the course of the year 10 specimens which were removed at operation were examined. In 5 of these cases the specimen consisted of the appendix. The pathological work on Alzheimer's disease begun in previous years was completed, and the results have been incorporated in an article which is being prepared for publication. In the meantime three new cases have been discovered and are being studied.

#### CHEMICAL, BACTERIOLOGICAL, AND SEROLOGICAL DEPARTMENTS

The program outlined in last year's report has been continued. Complete blood counts, quantitative chemical studies of the blood and five urinalyses were performed routinely on all patients admitted to the hospital. Further examinations were made at the request of the staff physicians. There were included the following: Blood sugar in 50 cases, non-protein niuric acid in 225 cases, creatinine in 199 cases, chloride in 243 cases and urea in 23 cases. The cholesterol content of the blood was estimated in 25 cases.

During the year 173 specimens of spinal fluid were examined. In these cases the exchange of substances between the blood and cerebrospinal fluid was investigated by making parallel determinations of certain constituents of the 2 fluids. The substances studied were calcium, sugar, non-protein nitrogen, phosphorus, chloride, uric acid, and creatinine. The number of determinations made in the spinal fluid was as follows: Sugar 155 determinations, calcium 299, non-protein nitrogen 147, chloride 98, phosphorus 96, uric acid 69, and creatinine 79 determinations. In addition, the exchange of bromides between the blood and cerebrospinal fluid was investigated by means of Walter's method in 157 cases. The data obtained in alcoholic psychoses formed the basis for an article which appeared in the July number of the Archives of Neurology and Psychiatry. Further articles are being planned for the future.

In conjunction with this work, ultrafiltration experiments on the blood serum begun last year were continued. The main object was to determine whether a semi-permeable membrane consisting of a collodion preparation acts in the same way as the living membrane which forms a barrier between the blood and the cerebrospinal fluid. Thus the amount of certain substances contained in the ultrafiltrate was compared with that contained in the spinal fluid. During the course



of the year, 264 ultrafiltration experiments were performed in 136 cases. The chief substance used in this work was calcium, 264 determinations of the calcium content of the ultrafiltrate being made. In a few instances the amount of the phosphorus, sugar, and bromide contained in the ultrafiltrate was also estimated.

All specimens of spinal fluid were investigated for total protein and number of cells. The colloidal gold test was performed in all cases.

Other laboratory procedures such as kidney and liver function tests, gastric, analyses, examination of feces, etc. were performed at the request of the physicians.

The bacteriological work included 13 throat cultures and smears, 37 specimens of sputum investigated for tuberculosis, and 10 smears examined for gonorrhea. Blood cultures and other procedures were carried out on request. Twenty-one Basal Metabolism tests were performed. The Ascheim-Zondek test (Freedman modification) was performed in 3 cases and 1 positive result was obtained, which was later confirmed clinically.

The syphilitic treatment clinic was continued weekly during the course of the year. The total number of patients treated was 39. Bismuth and tryparsamide were chiefly used.

#### NEUROPSYCHIATRIC CLINIC

The chief activities of the Brockton clinic, which is held every Wednesday afternoon at the Out-patient Department of the Brockton Hospital, were centered about the diagnosis and treatment of neuropsychiatric disorders. Physicians from the surrounding towns have shown an increasing tendency to refer their patients with neurological or mental symptoms to the clinic, over one-third of the new cases being accounted for in this way. About one-sixth of the cases were referred by various social agencies and a slightly smaller number by school nurses or teachers. A few patients were sent to the clinic by the police authorities. Written reports, with a discussion of the diagnosis and recommendations as to treatment, were made to the physicians or other agencies concerned, and when indicated regular attendance at the clinic was advised.

During the course of the year 401 visits were made to the clinic. There were 156 new cases, consisting of 92 males and 64 females. Of this number 85 patients were children or juveniles. There were 31 re-opened cases and 11 carried over from the previous year. The total number of patients who visited the clinic was 198.

Among the new cases the largest group, 34 in number, consisted of various types of behavior problems in children and adolescents. While a considerable number of these patients showed rather poor intellectual equipment, feeble-minded or borderline cases were not included here. Most of the patients showed disorders of conduct at home or in school. Asocial tendencies, difficulties in the sexual sphere, and enuresis were less commonly observed. It was frequently found that injudicious management on the part of the parents and other unfavorable environmental influences played an important part in these cases. Regular attendance at the clinic, together with explanations along mental hygiene lines to the parents or other persons concerned, resulted in definite improvement in a large proportion of the cases.

Eighteen cases were referred by court officials under Chapter 215 of the new regulations covering juvenile delinquents. These patients showed behavior disorders in which asocial conduct was a prominent feature. Five of the patients were found to be feeble-minded.

Twenty-four cases were classified as neuroses or psychoneuroses. The most common types of disorder were neurasthenia and traumatic neuroses. Psychotherapy was undertaken in those cases in which conditions warranted such a procedure.

A diagnosis of mental deficiency was made in 11 cases. In addition 12 patients were of borderline intelligence. In this group disorders of conduct and backwardness in learning at home or in school were common difficulties. Special classes were recommended in some cases and institutional care in others. In some instances particularly in the milder cases, it was possible to correct unfavorable environmental influences, as a result of which marked improvement in the behavior of these patients occurred.

Twenty-one patients showed psychoses of various types, 8 of the cases included

in this group being referred to the clinic from the hospital for follow-up work. In the other cases, affective disorders were the most common type of condition met with. In some instances psychotherapy was undertaken but as a rule it was necessary to recommend commitment to a hospital for mental diseases.

Neurological disorders occurred in 33 cases. There were 11 traumatic cases, 7 of epilepsy, 3 of cerebral arteriosclerosis, and 2 of neurosyphilis. Among the miscellaneous conditions might be mentioned multiple sclerosis, progressive muscular atrophy, and toxic myelitis.

As in the past, the staff of the Brockton Hospital has sought for aid from the clinic in the diagnosis and treatment of hospital patients who showed neurological or mental symptoms. Fifty-seven patients were seen in consultation on the wards of the Brockton Hospital.

A course of 8 lectures on psychology was given to the nurses in training at the Brockton Hospital. By special arrangement the senior class of nurses visited the Foxborough State Hospital and were given demonstrations of various therapeutic procedures.

The psychological department of the Foxborough State Hospital has continued to help in the work of the clinic. Seventy-five psychometric tests, 18 supplementary examinations, and 37 school tests were performed during the year. The social service department, under the supervision of Miss Moseley, has also rendered valuable service, obtaining histories and making outside investigations when necessary. The various social agencies of Brockton have been of great assistance in obtaining information and in helping to bring about a better adjustment of the patient. The work of Dr. Schorer and more recently of Dr. Clark has been of great assistance in the management of the clinic.

We desire to thank Dr. Hollister, Superintendent of the Brockton Hospital and other members of the staff for the assistance and cooperation given us during the year.

#### SCHOOL CLINICS

Dr. Cornelia B. J. Schorer carried on this work until the time of her resignation on July 1, 1933. She was assisted by Miss Minnie Radner, psychometrist, and Miss Elizabeth L. Moseley, head psychiatric social worker and her assistants. On September 9th, Dr. Anne L. Clark became a member of the staff and was assigned to the work of the school clinics. On September 5, 1933, Miss Elizabeth C. Bail succeeded Miss Minnie Radner as psychometrist.

During the year from December 1, 1932 to November 30, 1933 the school clinic has examined all retarded and other children recommended by the superintendents in the towns of Bridgewater, Braintree, Canton, East Bridgewater, Foxborough, Hingham, Hull, Mansfield, Needham, Norwood, Sharon, Stoughton, Walpole, Wellesley and Weymouth. In addition, a half a day each was given to Milton and Bridgewater to consider 5 retarded children presenting very immediate problems. In all these towns the school clinic was held in previous years. In 9 of them the school tests were given by teachers assigned by the Superintendent; in the remaining towns they were given by the psychometrist. In 9 towns the school nurses took the histories for us, in the remaining 6 towns the work was done by our social service department. In 10 towns there are special classes usually 1 to a town. Bridgewater has 2 and Norwood now has 4 including 1 for children of Junior high school age.

We performed in all 594 examinations, 416 on boys and 178 on girls. We found 144 feeble-minded children, 81 boys and 63 girls. Thirteen of these children, 9 boys and 4 girls were of very low intelligence and institutional care was recommended. The remainder of feeble-minded children, with an occasional exception for a child over 13 years of age, were recommended for special class. The total number of recommendations made for special class was: males 99, females 56, total 155. This number includes several borderline children and an occasional dull normal child.

We have had excellent cooperation of school authorities in all towns visited. Many short informal discussions with teachers, principals and nurses have helped to a better understanding of the children in question. A number of mothers and one father have been seen also. We aim to arrange more conferences with parents in the future.



The psychometrist's work has been done mainly in connection with the school clinics. Every child examined is given a psychometric examination. She has also given school tests in 11 towns where no teacher was available for the work.

The following psychometric examinations were done in the hospital: Total number of patients tested, 86; number of Stanford tests, 53; number of performance tests, 41; number of Wells memory tests, 25; number of Army Beta tests, 3.

The following psychometric work was done at the Brockton clinic: Number of patients tested, 89; Number of Stanford tests, 75; number of performance tests, 8; number of school tests, 37; number of Stutsman series, 9.

In the hospital out-patient department, 6 children were examined by special appointment. They were all given Stanford tests and 2 had school tests in addition.

The following psychometric work was done at the jails: number of prisoners examined, 45; number of Stanford tests, 43; number of performance tests, 14; number of Army Beta tests, 3.

We wish to express our appreciation of the valuable assistance rendered to us by the superintendents of schools and all those who helped in the obtaining of histories; also by Dr. C. Stanley Raymond, Superintendent of the Wrentham State School and members of his staff.

#### DENTAL DEPARTMENT

The dental department has been conducted by Dr. Lawrence S. Quinn as resident dentist assisted by Miss Pearl Vincent as dental hygienist.

*Patients were treated as follows:* Total number of patients treated, 1,474; operations 2,795; extractions, 520; fillings, 358; x-rays, 146; artificial dentures 9; bridgework, 6; teeth cleaned, scaled, examined and charted, 319.

#### SOCIAL SERVICE

Miss Elizabeth L. Moseley, has been in charge as head psychiatric social worker throughout the year and she has been assisted by one psychiatric worker and two student workers during the greater part of the time while they were taking the course in social service under the Department of Mental Diseases.

This department has dealt during the year since December 1, 1932, with a total of 852 cases (470 males, 382 females). Of these 580 (351 males, 229 females) were referred to this Department for the first time.

Of this total number, 482 were patients under commitment to the hospital (231 males, 251 females). Of these patients 263 (140 males, 123 females) were new admissions to the hospital during the year and as usual referred to this Department for social history and investigation. It is rather interesting to note, in view of the fact that the total number of new admissions was slightly less than in the preceding year, that the total number of cases dealt with by this department is considerably larger than it has been formerly. This may be partly accounted for by the increased number of patients who have left the hospital on visit, as shown in a subsequent paragraph.

We wish at this time to report again on the analysis of the new admissions to the hospital from the point of view of the financial situation in each case. We find out of this total of 263 new admissions there were 40 cases, or 15%, in which financial worries due to the present economic depression seemed to play some part. Of these 25 were men and 15 women. This figure is slightly larger than that of last year, in which we reported 13%. However, in only 13 of these cases, or a little under 5%, did we feel that the financial crisis could be called a major precipitating factor of the illness. In most of these cases it was difficult to determine just how much the financial situation was responsible because there were practically always other conditions which had to be considered also, such as alcoholism, difficult personality even before the depression, marital difficulty, old age, poor health, etc.

There have been during the year 177 patients out on prolonged visit from the hospital, all of whom are under the supervision of this department. Of these 75 were men and 102 women. Some of these patients have been kept in touch with through the clinic established a year ago at the Boston Psychopathic Hospital for the benefit of our patients living in the Greater Boston district. Since its



establishment there have been 44 patients reporting there. One member of this department always attends the clinic with the psychiatrist, and a total of 86 interviews have been held there by the worker during the year, 26 with patients and 60 with relatives or friends accompanying the patients.

The other large group of patients, 370 in number, handled during the year was in the community, not under commitment to the hospital. Of these 179 (106 male, 73 female) were patients at the Brockton Neuropsychiatric Clinic, which at least one member of this department also attends every week and where 232 interviews were held, 53 with patients and 179 with interested individuals accompanying them. The work of this clinic is increasing so that at most of these sessions two members of this department are kept busy, one in managing the clinic and the other in taking the main history on new cases. There is also a growing feeling among those connected with the clinic that in order to accomplish what we really would like to in the community, more outside work on these cases should be done by the social workers, not only in investigating more intensively but also in a further attempt at treatment of the child in his home. With our present force and facilities at hand, however, this is almost impossible although it is managed in certain urgent cases.

As formerly, we have also secured social histories in connection with the school clinic with the retarded children, having this year obtained 136 of these, covering 5 towns: namely, Braintree, Bridgewater, Canton, Foxborough and Stoughton. This leaves a balance of 55 other cases handled in the community not under commitment to the hospital. Of these, 17 were patients discharged from the hospital who had recovered following malaria treatment here, and whose cases we were asked to check up to ascertain their present condition, in connection with a survey being made of these patients by the medical staff. Sixteen cases were those of certain prisoners being examined for their mental condition under the Briggs' Law, in which we were asked to make a social investigation. There were also a few of these where we did miscellaneous work without a complete investigation. In this remaining miscellaneous group there were several of the juvenile delinquent cases referred to us through the local courts in accordance with law recently enacted. Most of these have been included in our Brockton clinic group, but a few came to this hospital as out patients, and in all of these cases we have secured the social histories.

The total number of interviews held during the year was as follows:

Interviews at hospital with relatives or other interested persons.....	641
Interviews with patients on the ward.....	129
Visits to patients outside the hospital.....	118
Visits to relatives of patients.....	261
Visits to social agencies.....	358
Visits to other interested individuals (employers, neighbors, etc.)....	955
Visits to homes in school clinic work.....	136
Interviews at out patient clinics.....	318

A total of..... 2,916

The 2 students who were with us during the year satisfactorily finished their course of training and this fall 2 more, namely Miss Margaret W. Condon and Miss Althea S. Tobey were assigned to us through the Department of Mental Diseases. Miss Condon is a graduate of Brown University and Miss Tobey of Tufts College.

#### TRAINING SCHOOL FOR PSYCHIATRIC NURSING

Principal of School: Miss Marion E. Blanchard. On October 1, 1933, 4 members of the class of 1933, having successfully passed the examinations of the Training School Committee were eligible for graduation. There are 11 in the class of 1934. 12 are now in the class of 1935, including 3 young men from the male nursing service. During the current year we placed the graduates of the class of 1933 in the positions of head psychiatric nurse which positions had been reallocated from charge attendant nurses. We believe that very distinct advantage will come to the patients from having an especially trained personnel in charge of all wards.

It has been particularly gratifying to us to have 3 of the male attendant nurses in the class of 1934 and we hope to be able to enroll personnel for the male ward service each year, thereby greatly improving the nursing care of our male patients. The class rooms were transferred to the main floor of the L Building. These new quarters are larger and much more conveniently located.

The graduate nurses conferences have proven their usefulness and have continued at regular intervals. They have resulted in a better understanding of the nursing problems of the institution and closer cooperation in carrying on the work.

#### ENTERTAINMENT

The patient and employee personnel have continued to enjoy the new photophone equipment. Much inconvenience is still experienced in using the main dining room as an auditorium and great need is felt for a new assembly hall. The hospital orchestra under the leadership of the assistant superintendent, Dr. Gaebler, has acquired additional players and has furnished excellent music for patients' dances which have been held weekly except during the summer.

On July Fourth a Field Day was held attended by every patient whose condition of health would permit. Several new features of entertainment were induced and participated in by both patients and employees. Picnics also were held in the grove during the summer.

The entertainments on the wards begun last year, for those unable to go to the Assembly Hall were repeated this year and brought much enjoyment.

A group of patients from the Taunton State Hospital under the supervision of their head occupational therapist visited our hospital last May and presented a play. The characters were well chosen and the players displayed much ability in acting their parts. The play brought much merriment to the audience.

On the evening of May fourth, Mr. Herbert Gurney, President of the Federation of New England Glee Clubs visited the hospital accompanied by a group of musicians from Quincy. After an excellent program of instrumental music, Mr. Gurney and the orchestra led the audience in the singing of old fashioned songs.

The ex-service men were visited very frequently by members of the American Legion, the American Legion Auxilliary, and the Women's Auxiliary of Veterans of Foreign Wars. Fruits, confectionery, and many useful articles were given to the men and several entertainments were furnished some of which were given in the Assembly Hall for the benefit of all the patients.

The hospital library has been freely patronized by patients and employees. Whenever possible the patients are given an opportunity to visit the library and make a selection of books. About 500 volumes were added during the year. Some of these were purchased and others were donated. Many magazines were received as contributions.

#### RELIGIOUS SERVICES

Throughout the year the clergymen of the town of Foxborough have faithfully carried out their work of conducting religious services and making routine visits to the wards which we believe are looked forward to with a great deal of pleasure by the patients. We are very appreciative of the service rendered.

#### LAUNDRY

The need of a new laundry of modern type is felt more and more as the amount of work in this department increases because of additional patient and employee personnel. Certain pieces of machinery have been rearranged to gain additional space, but this comes far from meeting the demand for more room. The work done is listed as follows:— 18,460 aprons, 11,284 belts, 19,201 bathrobes, 22,192 blankets, 2,600 bread covers, 162,396 bath towels, 29,952 combinations, 3,324 caps, 3,442 collars, 4,258 coats, 48,898 dresses, 54,642 handkerchiefs, 33,540 laundry bags, 61,832 nightgowns, 2,964 overalls, 3,796 pants, 6,344 pajamas, 4,792 bloomers, 772,532 sheets, 63,100 spreads, 2,536 screen covers, 55,256 stockings, 52,048 shirts, 3,425 slips, 261,714 towels, 36,718 tablecloths, 1,872 tubcovers, 52,832 undershirts, 54,808 underdrawers, 3,016 union suits, 11,752 uniforms, 5,876 curtains, 16,744 napkins, 20,124 pillow slips, 1,456 rugs, 13,156 table scarfs; total pieces laundered, 1,922,882.



## POWER HOUSE

Mr. William W. White was appointed chief engineer to take the place of Mr. John H. Naylor who resigned early in September of the preceding year because of illness. Mr. White has a first-class engineer's license and has had extensive experience in his particular field, including 4 years as assistant engineer at the Westborough State Hospital. Many needed repairs and alterations have been done under his supervision which have increased materially the efficiency of the power plant. Much salvage material has been used in this work. Briefly summarized, it has included changes in steam mains and heating system, piping in the laundry and pump room, replacing electrical wiring with modern installation in various buildings, installation of new A. C. motors in the refrigerating plant, considerable work on the passenger and freight elevators, resetting of four steam boilers, and rearranging steam lines in the boiler room.

Special mention should be made of the work done in the organizing of a hospital fire department composed entirely of employee personnel and the educating and training of all available employees for fire prevention and fire fighting. Drills have been held at very frequent intervals and instruction has been given under the direction of the chief engineer to practically all the employees taken in groups of suitable size.

## REPAIR DEPARTMENT

Many necessary repairs were made. It became necessary to make rather extensive repairs to the green house, to Cottages E and B, and to windows and doors of the ward buildings. The project of painting the wards was continued, this being done in part by painters, and to a larger extent by patients who have been especially trained. Masons continued with repairs to exteriors and interiors of many buildings. The institution blacksmith has done all the horse-shoeing with a considerable saving in expense, and a large amount of iron work has been done in connection with repairs of various kinds. Patients were occupied with work in this department, particularly in grading and outside construction. There is no doubt that the employment of patients results in considerable saving to the institution and has its great value in the benefit derived by the patients as a result of their activity.

## FARM

A very definite and continued improvement has been evident in farm development and production during the past year. Every available parcel of land has been under cultivation and in spite of a rather unfavorable season the average production of all crops has been satisfactory. Even at present low prices the farm showed a profit of \$16,222.00 after all costs of labor and materials were deducted. The magnetic type of milker installed last year has proven satisfactory. The milk yield of our herd has shown an increase over that of last year. We are pleased to report that tuberculin tests still show the herd to be in a healthy condition, and it has been fully accredited by the Department of Animal Industry. Opening of the farm dormitory has facilitated greatly the work of the patients on the farm and we feel that it has in no small way contributed to the increased efficiency of the farm.

Briefly summarized the production was as follows:—Milk, 393,281.2 lbs.; eggs, 9,416 doz.; Vegetables:—Garden produce, 426,655 lbs.; potatoes, 503,062 lbs.; fruit, 30,099  $\frac{3}{4}$  lbs. Meat:—Pork, 53,335 lbs.; poultry, 6,137 lbs.; forage crops, 42,180 lbs. Total production, 1,454,749.95 lbs.

From this quantity 68,817 lbs. were canned making a total of 8,909 cans of 1 gallon each as follows:—Apples, 1,023; cabbage, 1,188; carrots, 810; onions, 994; squash, 200; tomatoes, 1,969; beet greens, 150; string beans, 2,575.

## SPECIAL APPROPRIATIONS

The only special appropriation granted during the current year was the sum of \$3,000 for the resetting of the boilers in the power house. Because of the long continued use of 3 of the 4 boilers I consider it desirable to recommend at this time that arrangements be made for the installation of new boilers of modern type. This would require an addition to the present power house.

Certain unexpended balances under appropriations of previous years were brought forward particularly furnishing farm dormitory and additions to female ward buildings and expenditures were continued under these projects.

I would repeat this year the recommendations contained in my report of 1932 to meet the needs of the present population such as a new assembly hall, new building for tuberculous patients, new laundry, additions to day spaces on existing male wards and additional buildings for the farm, and the acquisition of certain parcels of land to relocate state highways now passing through the hospital grounds and which are a menace to the safety of patients and employees because of through traffic.

A general survey has been made with regard to the future capacity of this hospital, after carefully studying the problems connected with its maintenance and the care of the patients. As a result I would strongly recommend that the institution be further enlarged with a view to ultimately reaching a patient capacity of 2,000 beds. The location of the institution adjacent to the new State highway from Boston to Providence renders it easily accessible throughout the year. The type of construction of certain of the ward buildings would permit of an enlargement to increase their capacity and that of certain other buildings would make possible a remodelling for use as ward buildings. In this way alone there could be added approximately 400 beds at a relatively low cost. The present service building with minor additions and alterations could readily take care of the greater demand. The additional ward buildings needed would be a medical and surgical building, a building for acute psychiatric cases, and a building for disturbed patients. Besides these it would be necessary to construct suitable homes to care for the extra number of employees necessary to take care of the increase in patient population.

#### ACKNOWLEDGMENT

In the work of our out patient clinics we have been greatly assisted by welfare organizations, public schools, town and court officials and others in the community, and we desire to express our appreciation for help given us. Patients and employees have greatly enjoyed a number of excellent entertainments provided by organizations of our community. A large quantity of reading matter and many gifts for the patients have been received and have contributed a great deal to the comfort and pleasure of the patients. I feel particularly indebted to the members of the Board of Trustees for their support and to the hospital personnel who have loyally and faithfully performed their work throughout the year and desire to take this opportunity of expressing to them my appreciation and thanks.

Respectfully submitted,

RODERICK B. DEXTER,  
*Superintendent.*

#### VALUATION

November 30, 1933

##### REAL ESTATE

Land, 352.4 acres . . . . .	\$35,400.00
Buildings . . . . .	1,887,572.09

\$1,922,972.09

##### PERSONAL PROPERTY

Travel, transportation and office expenses . . . . .	\$510.00
Food . . . . .	10,032.50
Clothing and materials . . . . .	17,652.19
Furnishings and household supplies . . . . .	175,135.97
Medical and general care . . . . .	32,374.64
Heat and other plant operation . . . . .	6,847.44
Farm . . . . .	34,532.51
Garage and grounds . . . . .	11,948.10
Repairs . . . . .	17,177.86

\$306,211.21

##### SUMMARY

Real estate . . . . .	\$1,922,972.09
Personal property . . . . .	306,211.21

\$2,229,183.30



## FINANCIAL REPORT

To the Department of Mental Diseases:

I respectfully submit the following report of the finances of this institution for the fiscal year ending November 30, 1933.

## STATEMENT OF EARNINGS

Board of patients . . . . .	\$52,720.45
Personal Services:	
Reimbursement from Board of Retirement . . . . .	135.54
Sales:	
Travel, transportation and office expenses . . . . .	\$60.08
Food . . . . .	988.20
Clothing and materials . . . . .	—
Furnishings and household supplies . . . . .	31.00
Medical and general care . . . . .	134.00
Heat and other plant operation . . . . .	9.75
Garage and grounds . . . . .	—
Repairs ordinary . . . . .	53.81
Farm (itemize) cows and calves, \$70.00; hides, \$15.37; vegetables, \$90.00 . . . . .	195.37
Total sales . . . . .	1,452.21
Miscellaneous:	
Interest on bank balances . . . . .	\$55.73
Rents . . . . .	680.38
Total, miscellaneous . . . . .	736.11
Total earnings for the year . . . . .	\$55,044.31

## MAINTENANCE APPROPRIATION

Balance from previous year, brought forward . . . . .	\$10,034.92
Appropriation current year . . . . .	359,900.00

Total . . . . . \$369,934.92

Expenditures as follows:

1. Personal services . . . . .	\$203,175.92
2. Food . . . . .	46,859.64
3. Medical and general care . . . . .	6,440.92
4. Religious instruction . . . . .	1,425.00
5. Farm . . . . .	14,706.76
6. Heat and other plant operation . . . . .	32,892.66
7. Travel, transportation and office expenses . . . . .	5,211.90
8. Garage and grounds . . . . .	3,446.28
9. Clothing and materials . . . . .	9,731.53
10. Furnishings and household supplies . . . . .	15,728.30
11. Repairs ordinary . . . . .	6,548.27
12. Repairs and renewals . . . . .	2,732.52

Total maintenance expenditures . . . . . \$348,899.70

Balance of maintenance appropriation, November 30, 1933 . . . . . \$21,035.22

## SPECIAL APPROPRIATIONS

Balance December 1, 1932, brought forward . . . . .	\$11,709.62
Appropriations for current year . . . . .	3,000.00

Total . . . . . \$14,709.62

Expended during the year (see statement below) . . . . .	\$9,591.31
Reverting to Treasury of Commonwealth . . . . .	*164.62
(Star balances below that are reverting) . . . . .	9,755.93

Balance November 30, 1933, carried to next year . . . . . \$4,953.69

APPROPRIATION	Act or Resolve	Total Amount Appropriated	Expended during Fiscal Year	Total Expended to Date	Balance at end of Year
Furnishing nurses' home . . . . .	1931	\$4,600.00	—	\$4,588.35	\$11.65
Replacing stairs and installing grills . . . . .	1931	4,700.00	—	4,665.62	34.38
Renovation of Ward C . . . . .	1931	7,000.00	—	6,999.37	.63
Power equipment . . . . .	1931	9,000.00	\$69.00	8,882.04	117.96
Furnishing farm dormitory . . . . .	1932	10,000.00	1,473.78	9,678.62	321.38
Boiler settings, etc. . . . .	1933	3,000.00	2,977.76	2,977.76	22.24
Verandas, female ward . . . . .	1932	35,000.00	5,070.77	30,389.93	4,610.07
		\$73,300.00	\$9,591.31	\$68,181.69	\$5,118.31

## PER CAPITA

During the year the average number of patients has been, 1,138.917.

Total cost of maintenance, \$348,899.70.

Equal to a weekly per capita cost of (52 weeks to year), \$5.8912.

Total receipts for the year, \$55,044.31.

Equal to a weekly per capita of \$.9294.

Total net cost of maintenance for year (Total maintenance less total receipts), \$293,855.39.

Net weekly per capita, \$.49618.

Respectfully submitted,

HARRIET S. BAYLEY,

Treasurer.

## STATISTICAL TABLES

AS ADOPTED BY THE AMERICAN PSYCHIATRIC ASSOCIATION  
PRESCRIBED BY THE MASSACHUSETTS DEPARTMENT OF MENTAL DISEASES

TABLE 1. *General Information*

Data correct at end of hospital year November 30, 1933

1. Date of opening as a hospital for mental diseases, August, 1914.

2. Type of hospital: State.

3. Hospital plant:

Value of hospital property:

Real estate, including buildings . . . . .

Personal property . . . . .

\$1,887,572.09

35,400.00

Total

Total acreage of hospital property owned, 352.4.

Additional acreage, rented, 8.

Total acreage under cultivation during previous year, 66½.

\$1,922,972.09

4. Officers and employees:

	Actually in Service at End of Year			Vacancies at End of Year		
	M.	F.	T.	M.	F.	T.
Superintendents . . . . .	1	—	1	—	—	—
Assistant physicians . . . . .	5	2	7	—	—	—
Total physicians . . . . .	6	2	8	—	—	—
Stewards . . . . .	1	—	1	—	—	—
Resident dentists . . . . .	1	—	1	—	—	—
Pharmacists . . . . .	1	—	1	—	—	—
Graduate nurses . . . . .	—	12	12	—	1	1
Other nurses and attendants . . . . .	51	50	101	—	1	1
Occupational therapists . . . . .	—	3	3	—	—	—
Social workers . . . . .	—	2	2	—	—	—
All other officers and employees . . . . .	54	43	97	—	1	1
Total officers and employees . . . . .	114	112	226	—	3	3

NOTE:— The following items, 5-10 inclusive, are for the the year ended September 30, 1933.

5. Census of patient population at end of year:

	Actually in Hospital			Absent from Hospital but Still on Books		
	M.	F.	T.	M.	F.	T.
WHITE:						
Insane . . . . .	466	624	1,090	52	61	113
Mental defectives . . . . .	14	7	21	1	2	3
All other cases . . . . .	1	—	1	—	—	—
Total . . . . .	481	631	1,112	53	63	116
OTHER RACES:						
Insane . . . . .	21	24	45	—	1	1
Total . . . . .	21	24	45	—	1	1
Grand Total . . . . .	502	655	1,157	53	64	117

Males

Females

Total

6. Patients under treatment in occupational-therapy classes, including physical training, on date of report 18 34 52
7. Other patients employed in general work of hospital on date of report 262 195 457
8. Average daily number of all patients actually in hospital during year 501.193 658.293 1,159.486
9. Voluntary patients admitted during year 1 1 1
10. Persons given advice or treatment in out-patient clinics during year 148 89 237

TABLE 2. *Financial Statement*

See Treasurer's report for data requested under this table.

NOTE:— The following tables 3-19, inclusive, are for the statistical year ended September 30, 1933.

TABLE 3. *Movement of Patient Population*

	Regular Court Commitment (Insane)			Voluntary			Temporary Care			Observation			Total on Books		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Patients on books of institution September 30, 1932 . . . . .	540	664	1,204	2	-	2	-	-	-	3	1	4	545	665	1,210
Admissions during year:															
First admissions . . . . .	105	110	215	-	-	-	6	1	7	14	2	16	125	113	238
Readmissions . . . . .	17	15	32	-	1	1	1	2	3	3	1	4	21	19	40
Transfers from other hospitals for mental diseases . . . . .	3	11	14	-	-	-	-	-	-	-	-	-	3	11	14
Total received during year . . . . .	125	136	261	-	1	1	7	3	10	17	3	20	149	143	292
Total on books during year . . . . .	665	800	1,465	2	1	3	7	3	10	20	4	24	694	808	1,502
Discharged from books during year:															
As recovered . . . . .	4	3	7	-	-	-	-	-	-	4	-	4	8	3	11
As improved . . . . .	26	29	55	-	1	1	1	1	2	1	1	2	28	32	60
As unimproved . . . . .	8	3	11	-	-	-	-	2	2	-	-	-	8	5	13
As without psychosis . . . . .	2	-	2	-	-	-	4	-	4	10	2	12	16	2	18
Transferred to other hospitals for mental diseases . . . . .	15	5	20	-	-	-	-	-	-	-	-	-	15	5	20
Died during year . . . . .	59	41	100	-	-	-	2	-	2	3	1	4	64	42	106
Total discharged, transferred and died during year . . . . .	114	81	195	-	1	1	7	3	10	18	4	22	139	89	228
Insane patients remaining on books of hospital at end of hospital year:															
In hospital . . . . .	499	655	1,154	2	-	2	-	-	-	1	-	1	502	655	1,157
On parole or otherwise absent . . . . .	52	64	116	-	-	-	-	-	-	1	-	1	53	64	117
Total . . . . .	551	719	1,270	2	-	2	-	-	-	2	-	2	555	719	1,274

TABLE 4. *Nativity of First Admissions and of Parents of First Admissions*

NATIVITY	PATIENTS			PARENTS OF MALE PATIENTS			PARENTS OF FEMALE PATIENTS		
	M.	F.	T.	Fathers	Mothers	Both Parents	Fathers	Mothers	Both Parents
United States . . . . .	80	76	156	52	52	46	40	42	33
Austria . . . . .	1	1	2	1	1	1	—	1	—
Belgium . . . . .	—	1	1	—	—	—	1	1	1
Canada <sup>1</sup> . . . . .	6	10	16	10	9	6	16	17	12
England . . . . .	—	2	2	3	3	2	5	3	2
Finland . . . . .	—	—	—	2	1	1	1	1	1
France . . . . .	—	—	—	—	—	—	1	—	—
Germany . . . . .	3	2	5	3	3	3	6	3	3
Greece . . . . .	—	—	—	—	—	—	1	1	1
Ireland . . . . .	2	7	9	8	10	8	15	15	12
Italy . . . . .	6	4	10	8	8	8	4	4	4
Poland . . . . .	1	2	3	1	1	1	5	5	5
Portugal . . . . .	—	—	—	2	2	2	1	1	1
Russia . . . . .	2	2	4	4	3	3	5	5	5
Scotland . . . . .	—	—	—	2	3	2	3	2	2
Sweden . . . . .	2	3	5	2	2	2	3	3	3
Wales . . . . .	—	—	—	—	—	—	—	1	—
West Indies <sup>2</sup> . . . . .	—	—	—	—	—	—	1	1	1
Other countries . . . . .	2	—	2	2	2	2	—	—	—
Unascertained . . . . .	—	—	—	5	5	4	2	4	1
Total . . . . .	105	110	215	105	105	91	110	110	87

<sup>1</sup>Includes Newfoundland.<sup>2</sup>Except Cuba and Porto Rico.





TABLE 5. *Citizenship of First Admissions*

	Males	Females	Total
Citizens by birth . . . . .	80	76	156
Citizens by naturalization . . . . .	12	14	26
Aliens . . . . .	11	18	29
Citizenship unascertained . . . . .	2	2	4
Total . . . . .	105	110	215

TABLE 6. *Psychoses of First Admissions*

PSYCHOSES	M. F. T.			M. F. T.		
	M.	F.	T.	M.	F.	T.
1. Traumatic psychoses . . . . .				—	—	—
2. Senile psychoses . . . . .				9	14	23
3. Psychoses with cerebral arteriosclerosis . . . . .				12	9	21
4. General paralysis . . . . .				4	—	4
5. Psychoses with cerebral syphilis . . . . .				3	—	3
6. Psychoses with Huntington's chorea . . . . .				—	—	—
7. Psychoses with brain tumor . . . . .				—	—	—
8. Psychoses with other brain or nervous diseases, total . . . . .				7	5	12
9. Alcoholic psychoses, total . . . . .				10	1	11
Delirium tremens . . . . .	1	—	1			
Korsakow's psychosis . . . . .	1	—	1			
Acute hallucinosis . . . . .	4	1	5			
Other types, acute or chronic . . . . .	4	—	4			
10. Psychoses due to drugs and other exogenous toxins, total . . . . .				1	2	3
Opium (and derivatives), cocaine, bromides, chloral, etc., alone or combined . . . . .	1	—	1			
Other exogenous toxins . . . . .	—	2	2			
11. Psychoses with pellagra . . . . .				1	—	1
12. Psychoses with other somatic diseases, total . . . . .				1	4	5
Post-infectious psychosis . . . . .	—	1	1			
Other diseases or conditions . . . . .	1	3	4			
13. Manic-depressive psychoses, total . . . . .				12	14	26
Manic type . . . . .	5	6	11			
Depressive type . . . . .	7	8	15			
14. Involution melancholia . . . . .				2	6	8
15. Dementia praecox (schizophrenia) . . . . .				28	34	62
16. Paranoia and paranoid conditions . . . . .				2	5	7
17. Epileptic psychoses . . . . .				1	—	1
18. Psychoneuroses and neuroses, total . . . . .				2	4	6
Hysterical type . . . . .	—	1	1			
Neurasthenic type . . . . .	2	—	2			
Other types . . . . .	—	3	3			
19. Psychoses with psychopathic personality . . . . .				6	4	10
20. Psychoses with mental deficiency . . . . .				1	6	7
21. Undiagnosed psychoses . . . . .				—	—	—
22. Without psychosis, total . . . . .				3	2	5
Mental deficiency without psychosis . . . . .	2	2	4			
Others . . . . .	1	—	1			
Total . . . . .				105	110	215

TABLE 7. *Race of First Admissions Classified with Reference to Principal Psychoses*

RACE	Total			Senile			With cerebral arterio-sclerosis			General paralysis			With cerebral syphilis			With other brain or nervous diseases		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Agrican (black)	5	3	8	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Armenian	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Dutch and Flemish	—	1	1	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
English	37	31	68	6	8	14	8	3	11	—	—	—	1	—	1	1	1	2
Finnish	2	1	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
French	5	7	12	—	—	—	1	1	2	—	—	—	—	—	—	—	—	—
German	5	5	10	—	1	1	1	2	3	—	—	—	—	—	—	1	—	1
Greek	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hebrew	2	6	8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Irish	14	18	32	1	1	2	1	1	2	1	—	1	1	—	1	1	1	2
Italian <sup>1</sup>	8	4	12	—	—	—	—	1	1	1	—	1	1	—	1	—	—	—
Lithuanian	1	—	1	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—
Portuguese	2	1	3	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—
Scandinavian <sup>2</sup>	2	3	5	1	—	1	—	1	1	—	—	—	—	—	—	—	—	—
Scotch	3	5	8	—	1	1	—	—	—	1	—	1	—	—	—	1	—	1
Slavonic <sup>3</sup>	3	2	5	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Spanish-American	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
West Indian <sup>4</sup>	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other specific races	1	—	1	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
Mixed	13	19	32	—	1	1	—	—	—	—	—	—	—	—	—	—	3	3
Race unascertained	1	1	2	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—
Total	105	110	215	9	14	23	12	9	21	4	—	4	3	—	3	7	5	12

TABLE 7. *Race of First Admissions Classified with Reference to Principal Psychoses — Continued*

RACE	Alcoholic			Due to drugs and other exogenous toxins			With pellagra			With other somatic diseases			Manic-depressive			Involution melancholia		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	2	—	2	—	—	—	—	—	—	—	1	1	1	—	1	—	—	—
Armenian	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dutch and Flemish	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
English	4	—	4	—	1	1	—	—	—	1	1	2	4	2	6	1	1	2
Finnish	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—
French	1	1	2	—	—	—	—	—	—	—	—	—	—	3	3	—	—	—
German	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Greek	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hebrew	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	1	1
Irish	3	—	3	—	—	—	—	—	—	—	1	1	—	2	2	—	2	2
Italian <sup>1</sup>	—	—	—	—	—	—	—	—	—	—	—	—	1	2	3	1	—	1
Lithuanian	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Portuguese	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Scandinavian <sup>2</sup>	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1	—	1	1
Scotch	—	—	—	—	1	1	—	—	—	—	—	—	1	—	1	—	1	1
Slavonic <sup>3</sup>	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—
Spanish-American	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
West Indian <sup>4</sup>	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—
Other specific races	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mixed	—	—	—	1	—	1	—	—	—	—	—	—	4	3	7	—	—	—
Race unascertained	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	10	1	11	1	2	3	1	—	1	1	4	5	12	14	26	2	6	8

<sup>1</sup>Includes "North" and "South".<sup>2</sup>Norwegians, Danes, and Swedes.<sup>3</sup>Includes Bohemian, Bosnian, Croatian, Dalmatian, Herzegovinian, Montenegrin, Moravian, Polish Russian, Ruthenian, Servian, Slovak, Slovenian.<sup>4</sup>Except Cuban.

TABLE 7. *Race of First Admissions Classified with Reference to Principal Psychoses — Concluded*

RACE	Dementia praecox			Paranoia and paranoid conditions			Epileptic psychoses			Psycho- neuroses and neuroses			With psycho- pathic per- sonality			With mental deficiency			Without psychoses		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	1	2	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Armenian	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dutch and Flemish	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
English	6	8	14	—	—	—	—	—	—	2	2	—	4	1	5	—	2	2	1	1	2
Finnish	2	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
French	2	1	3	—	—	—	—	—	—	1	—	1	—	—	—	—	1	1	—	—	—
German	3	2	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Greek	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—
Hebrew	2	1	3	—	—	—	—	—	—	—	—	—	2	2	—	—	—	—	—	1	1
Irish	3	6	9	—	2	2	1	—	1	1	—	1	1	1	2	—	1	1	—	—	—
Italian <sup>1</sup>	2	1	3	2	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Lithuanian	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Portuguese	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Scandinavian <sup>2</sup>	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Scotch	—	1	1	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—
Slavonic <sup>3</sup>	1	2	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Spanish-American	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
West Indian <sup>4</sup>	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other specific races	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mixed	4	8	12	—	2	2	—	—	—	1	1	—	1	—	1	1	1	2	2	—	2
Race unascertained	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	28	34	62	2	5	7	1	—	1	2	4	6	6	4	10	1	6	7	3	2	5

<sup>1</sup>Includes "North" and "South".<sup>2</sup>Norwegians, Danes and Swedes.<sup>3</sup>Includes Bohemian, Bosnian, Croatian, Dalmatian, Herzegovinian, Montenegrin, Moravian, Polish, Russian, Ruthenian, Servian, Slovak, Slovenian.<sup>4</sup>Except Cuban.TABLE 8. *Age of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			Under 15 years			15-19 years			20-24 years		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile	9	14	23	—	—	—	—	—	—	—	—	—
3. With cerebral arteriosclerosis	12	9	21	—	—	—	—	—	—	—	—	—
4. General paralysis	4	—	4	—	—	—	—	—	—	1	—	1
5. With cerebral syphilis	3	—	3	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	7	5	12	—	—	—	—	—	—	—	—	—
9. Alcoholic	10	1	11	—	—	—	—	—	—	—	—	—
10. Due to drugs and other exogenous toxins	1	2	3	—	—	—	—	—	—	—	—	—
11. With pellagra	1	—	1	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	1	4	5	—	—	—	—	—	—	—	—	—
13. Manic-depressive	12	14	26	—	—	—	—	—	—	2	3	5
14. Involution melancholia	2	6	8	—	—	—	—	—	—	—	—	—
15. Dementia praecox	28	34	62	—	—	—	1	5	6	8	7	15
16. Paranoia and paranoid conditions	2	5	7	—	—	—	—	—	—	—	—	—
17. Epileptic psychoses	1	—	1	—	—	—	—	—	—	1	—	1
18. Psychoneuroses and neuroses	2	4	6	—	—	—	—	—	—	—	—	—
19. With psychopathic personality	6	4	10	—	—	—	1	1	2	—	1	1
20. With mental deficiency	1	6	7	—	—	—	—	2	2	—	—	—
21. Undiagnosed psychoses	—	—	—	—	—	—	—	—	—	—	—	—
22. Without psychosis	3	2	5	—	—	—	—	1	1	1	1	2
Total	105	110	215	—	—	—	2	9	11	13	12	25



TABLE 8. *Age of First Admissions Classified with Reference to Principal Psychoses — Continued*

PSYCHOSES	25-29 years			30-34 years			35-39 years			40-44 years			45-49 years		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3. With cerebral arteriosclerosis . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4. General paralysis . . . . .	—	—	—	1	—	1	—	—	—	1	—	1	—	—	—
5. With cerebral syphilis . . . . .	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—
6. With Huntington's chorea . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases . . . . .	—	1	1	—	—	—	1	—	1	1	—	1	—	—	—
9. Alcoholic . . . . .	—	—	—	—	—	—	2	—	2	1	1	2	3	—	3
10. Due to drugs and other exogenous toxins . . . . .	—	1	1	—	—	—	1	1	2	—	—	—	—	—	—
11. With pellagra . . . . .	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—
12. With other somatic diseases . . . . .	—	—	—	—	1	1	—	—	—	—	1	1	—	—	—
13. Manic-depressive . . . . .	2	3	5	1	2	3	—	3	3	1	1	2	3	1	4
14. Involution melancholia . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	1	2	3
15. Dementia praecox . . . . .	7	2	9	6	7	13	2	4	6	1	4	5	2	—	2
16. Paranoia and paranoid conditions . . . . .	—	—	—	—	—	—	—	—	—	—	1	1	2	1	3
17. Epileptic psychoses . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
18. Psychoneuroses and neuroses . . . . .	—	—	—	—	1	1	1	2	3	—	—	—	1	—	1
19. With psychopathic personality . . . . .	—	—	—	—	3	2	5	—	—	2	—	2	—	—	—
20. With mental deficiency . . . . .	1	2	3	—	—	—	—	—	—	—	—	—	—	1	1
21. Undiagnosed psychoses . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22. Without psychoses . . . . .	1	—	1	—	—	—	—	—	—	—	—	—	1	—	1
Total . . . . .	11	9	20	11	13	24	9	10	19	7	8	15	13	5	18

TABLE 8. *Age of First Admissions Classified with Reference to Principal Psychoses — Concluded*

PSYCHOSES	50-54 years			55-59 years			60-64 years			65-69 years			70 years and over		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile . . . . .	—	—	—	—	—	—	1	2	3	1	3	4	7	9	16
3. With cerebral arteriosclerosis . . . . .	—	1	1	2	1	3	2	—	2	2	3	5	6	4	10
4. General paralysis . . . . .	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—
5. With cerebral syphilis . . . . .	1	—	1	1	—	1	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases . . . . .	1	2	3	1	1	2	1	1	2	2	—	2	—	—	—
9. Alcoholic . . . . .	2	—	2	1	—	1	—	—	—	1	—	1	—	—	—
10. Due to drugs and other exogenous toxins . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases . . . . .	—	1	1	1	1	2	—	—	—	—	—	—	—	—	—
13. Manic-depressive . . . . .	1	1	2	1	—	1	1	—	1	—	—	—	—	—	—
14. Involution melancholia . . . . .	1	2	3	—	2	2	—	—	—	—	—	—	—	—	—
15. Dementia praecox . . . . .	—	2	2	—	1	1	—	—	—	1	1	2	—	1	1
16. Paranoia and paranoid conditions . . . . .	—	2	2	—	1	1	—	—	—	—	—	—	—	—	—
17. Epileptic psychoses . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
18. Psychoneuroses and neuroses . . . . .	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—
19. With psychopathic personality . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20. With mental deficiency . . . . .	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—
21. Undiagnosed psychoses . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22. Without psychosis . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total . . . . .	6	11	17	7	8	15	6	4	10	7	7	14	13	14	27

TABLE 9. Degree of Education of First Admissions Classified with Reference to Principal Psychoses

PSYCHOSES	Total			Illiterate			Reads and writes			Common school			High school			College			Unascertained		
	Total			Illiterate			Reads and writes			Common school			High school			College			Unascertained		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic . . . . .	9	14	23	1	1	2	1	1	2	4	9	13	1	1	2	—	—	—	—	—	—
2. Senile . . . . .	12	9	21	—	—	—	1	3	4	4	3	7	4	2	6	1	1	—	2	1	3
3. With cerebral arteriosclerosis . . . . .	4	—	4	—	—	—	1	—	—	3	—	3	1	—	—	—	—	—	3	1	4
4. General paralysis . . . . .	3	—	3	1	—	1	—	—	—	2	—	2	—	—	—	—	—	—	—	—	—
5. With cerebral syphilis . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor . . . . .	7	5	12	—	—	—	—	—	—	2	3	5	2	2	4	—	—	—	1	—	1
8. With other brain or nervous diseases . . . . .	10	2	12	—	—	—	2	—	2	7	1	8	1	—	—	—	—	—	1	—	—
9. Alcoholic . . . . .	1	1	2	—	—	—	—	—	—	1	—	2	1	1	—	—	—	—	—	—	—
10. Due to drugs and other exogenous toxins . . . . .	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra . . . . .	1	4	5	—	—	—	—	—	—	1	2	3	—	1	1	—	1	—	—	—	—
12. With other somatic diseases . . . . .	12	14	26	—	—	—	1	2	3	8	8	16	1	5	6	1	1	—	1	—	1
13. Manic-depressive . . . . .	2	6	8	—	—	—	2	2	4	1	4	5	—	—	—	1	—	—	—	—	—
14. Involution melancholia . . . . .	28	34	62	2	2	4	2	2	4	13	17	30	11	12	23	1	1	2	1	—	1
15. Dementia praecox . . . . .	2	5	7	—	—	—	2	—	2	3	3	6	—	1	1	—	—	—	—	—	—
16. Paranoia and paranoid conditions . . . . .	2	—	2	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—
17. Epileptic psychoses . . . . .	1	4	5	—	—	—	—	—	—	—	3	3	—	1	1	—	—	—	—	—	—
18. Psychoneuroses and neuroses . . . . .	2	4	6	—	—	—	—	—	—	2	3	5	—	1	1	—	—	—	—	—	—
19. With psychopathic personality . . . . .	6	4	10	—	—	—	1	—	1	2	2	4	2	2	4	1	—	—	—	—	—
20. With mental deficiency . . . . .	1	6	7	—	—	—	1	—	1	—	3	4	—	—	—	—	—	—	—	—	—
21. Undiagnosed psychoses . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22. Without psychosis . . . . .	3	2	5	—	—	—	2	—	4	—	—	—	1	—	1	—	—	—	—	—	—
Total . . . . .	105	110	215	2	6	8	16	11	27	51	59	110	24	28	52	4	4	8	8	2	10

TABLE 10. *Population of Place of Residence of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			0-2,499			2,500-9,999			10,000-24,999			25,000-49,999			50,000-99,999			100,000-249,999			250,000-499,999			500,000+			Unknown
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	
1. Traumatic . . . . .	9	14	23	-	-	-	4	4	8	1	1	2	-	-	-	3	3	6	-	-	-	-	-	-	-	-	-	M. F. T.
2. Senile . . . . .	12	9	21	-	2	2	4	4	8	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3. With cerebral arteriosclerosis . . . . .	4	-	4	-	-	-	3	3	6	4	2	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4. General paralysis . . . . .	3	-	3	-	-	-	-	-	-	1	1	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5. With cerebral syphilis . . . . .	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6. With Huntington's chorea . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases . . . . .	7	5	12	-	-	-	1	2	3	1	1	2	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-
9. Alcoholic . . . . .	10	1	11	-	-	-	2	-	2	3	1	4	-	-	-	2	-	2	-	-	-	-	-	-	-	-	-	-
10. Due to drugs and other exogenous toxins . . . . .	1	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra . . . . .	1	1	2	-	-	-	-	-	-	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases . . . . .	1	4	5	1	1	1	1	1	1	1	1	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13. Manic-depressive . . . . .	12	14	26	1	1	1	1	4	5	3	1	4	1	1	1	4	1	5	-	-	-	-	-	-	-	-	-	-
14. Involution melancholia . . . . .	2	6	8	1	1	1	1	1	1	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15. Dementia praecox . . . . .	28	34	62	1	1	2	7	3	10	5	5	10	1	2	3	5	7	12	-	-	-	-	-	-	-	-	-	-
16. Paranoia and paranoid conditions . . . . .	2	5	7	-	-	-	1	1	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17. Epileptic psychoses . . . . .	1	4	5	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-
18. Psychoneuroses and neuroses . . . . .	2	4	6	-	-	-	-	2	2	1	1	2	-	-	-	1	1	1	-	-	-	-	-	-	-	-	-	-
19. With psychopathic personality . . . . .	6	4	10	1	1	1	-	-	-	3	3	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20. With mental deficiency . . . . .	1	6	7	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21. Undiagnosed psychoses . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22. Without psychosis . . . . .	3	2	5	-	-	-	1	-	1	-	1	-	-	-	-	1	1	2	-	-	-	-	-	-	-	-	-	-
Total . . . . .	105	110	215	2	6	8	20	21	41	26	17	43	1	3	4	21	20	41	1	1	2	-	-	-	-	-	-	-
																25	39	64				25	39	64				

TABLE 11. *Economic Conditions of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			Dependent			Marginal			Com- fortable			Unascertained		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile . . . . .	9	14	23	4	3	7	3	4	7	2	6	8	—	1	1
3. With cerebral arteriosclerosis . . . . .	12	9	21	4	2	6	7	5	12	1	2	3	—	—	—
4. General paralysis . . . . .	4	—	4	—	—	—	4	—	4	—	—	—	—	—	—
5. With cerebral syphilis . . . . .	3	—	3	1	—	1	2	—	2	—	—	—	—	—	—
6. With Huntington's chorea . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases . . . . .	7	5	12	2	3	5	5	2	7	—	—	—	—	—	—
9. Alcoholic . . . . .	10	1	11	2	—	2	8	1	9	—	—	—	—	—	—
10. Due to drugs and other exogenous toxins . . . . .	1	2	3	1	—	1	—	2	2	—	—	—	—	—	—
11. With pellagra . . . . .	1	4	5	1	—	1	1	3	4	—	—	—	—	—	—
12. With other somatic diseases . . . . .	12	14	26	—	—	—	11	12	23	1	2	3	—	—	—
13. Manic-depressive . . . . .	2	6	8	—	—	—	1	5	6	1	1	2	—	—	—
14. Involution melancholia . . . . .	28	34	62	7	4	11	20	24	44	1	6	7	—	—	—
15. Dementia praecox . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
16. Paranoia and paranoid conditions . . . . .	2	5	7	1	—	1	1	4	5	—	1	1	—	—	—
17. Epileptic psychoses . . . . .	1	—	1	—	—	—	1	—	1	—	—	—	—	—	—
18. Psychoneuroses and neuroses . . . . .	2	4	6	1	—	1	1	4	5	—	—	—	—	—	—
19. With psychopathic personality . . . . .	6	4	10	3	1	4	2	1	3	1	2	3	—	—	—
20. With mental deficiency . . . . .	1	6	7	—	3	3	1	3	4	—	—	—	—	—	—
21. Undiagnosed psychoses . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22. Without psychosis . . . . .	3	2	5	2	1	3	1	1	2	—	—	—	—	—	—
Total . . . . .	105	110	215	29	18	47	69	71	140	7	20	27	—	1	1

TABLE 12. *Use of Alcohol by First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			Abstinent			Temperate			Intemperate			Unascertained		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile . . . . .	9	14	23	2	12	14	3	1	4	3	1	4	1	—	1
3. With cerebral arteriosclerosis . . . . .	12	9	21	4	6	10	3	2	5	3	1	4	2	—	2
4. General paralysis . . . . .	4	—	4	1	—	1	2	—	2	1	—	1	—	—	—
5. With cerebral syphilis . . . . .	3	—	3	—	—	—	2	—	2	1	—	1	—	—	—
6. With Huntington's chorea . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases . . . . .	7	5	12	2	5	7	1	—	1	3	—	3	1	—	1
9. Alcoholic . . . . .	10	1	11	—	—	—	—	—	—	10	1	11	—	—	—
10. Due to drugs and other exogenous toxins . . . . .	1	2	3	—	1	1	—	1	1	1	—	1	—	—	—
11. With pellagra . . . . .	1	—	1	—	—	—	—	—	—	1	—	1	—	—	—
12. With other somatic diseases . . . . .	1	4	5	1	3	4	—	1	1	—	—	—	—	—	—
13. Manic-depressive . . . . .	12	14	26	4	9	13	5	5	10	2	—	2	1	—	1
14. Involution melancholia . . . . .	2	6	8	1	6	7	1	—	1	—	—	—	—	—	—
15. Dementia praecox . . . . .	28	34	62	11	32	43	11	2	13	5	—	5	1	—	1
16. Paranoia and paranoid conditions . . . . .	2	5	7	—	5	5	1	—	1	1	—	1	—	—	—
17. Epileptic psychoses . . . . .	1	—	1	1	—	1	—	—	—	—	—	—	—	—	—
18. Psychoneuroses and neuroses . . . . .	2	4	6	—	3	3	1	1	2	1	—	1	—	—	—
19. With psychopathic personality . . . . .	6	4	10	2	3	5	—	—	—	4	1	5	—	—	—
20. With mental deficiency . . . . .	1	6	7	1	6	7	—	—	—	—	—	—	—	—	—
21. Undiagnosed psychoses . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22. Without psychosis . . . . .	3	2	5	3	2	5	—	—	—	—	—	—	—	—	—
Total . . . . .	105	110	215	33	93	126	30	13	43	36	4	40	6	—	6



TABLE 13. *Marital Conditions of First Admissions Classified with Reference to Principal Psychoses*

	PSYCHOSES	Total			Single		Married		Widowed		Separated		Divorced	
		M. F.		T.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
		M.	F.	T.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
1. Traumatic	.	9	14	23	1	2	4	8	4	12	1	1	1	1
2. Senile	.	12	9	21	2	1	7	5	2	2	1	1	1	2
3. With cerebral arteriosclerosis	.	4	—	4	2	—	1	—	1	—	—	—	—	—
4. General paralysis	.	3	—	3	1	—	2	—	—	—	—	—	—	—
5. With cerebral syphilis	.	—	—	—	—	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea	.	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	.	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	.	7	5	12	1	2	4	3	1	1	—	—	1	1
9. Alcoholic	.	10	1	11	3	—	7	1	—	—	—	—	—	—
10. Due to drugs and other exogenous toxins	.	1	2	3	—	—	1	2	—	—	—	—	—	—
11. With pellagra	.	1	—	1	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	.	1	4	5	—	—	1	4	—	—	—	—	—	—
13. Manic-depressive	.	12	14	26	3	5	8	8	—	—	—	1	1	2
14. Involution melancholia	.	2	6	8	2	—	6	6	—	—	—	—	—	—
15. Dementia praecox	.	28	34	62	22	19	41	17	—	3	1	1	—	—
16. Paranoia and paranoid conditions	.	2	5	7	1	3	4	1	—	1	—	—	—	—
17. Epileptic psychoses	.	1	—	1	1	—	1	—	—	—	—	—	—	—
18. Psychoneuroses and neuroses	.	2	4	6	1	—	1	4	—	—	—	—	—	—
19. With psychopathic personality	.	6	4	10	2	4	2	2	—	1	—	—	—	—
20. With mental deficiency	.	1	6	7	1	6	7	—	—	—	1	—	—	—
21. Undiagnosed psychoses	.	—	—	—	—	—	—	—	—	—	—	—	—	—
22. Without psychosis	.	3	2	5	2	2	1	—	—	—	—	—	—	—
Total	.	105	110	215	45	43	47	49	9	14	1	1	3	6

TABLE 14. *Psychoses of Readmissions*

PSYCHOSES	Males	Females	Total
1. Traumatic psychoses	-	-	-
2. Senile psychoses	-	1	1
3. Psychoses with cerebral arteriosclerosis	1	-	1
4. General paralysis	-	-	-
5. Psychoses with cerebral syphilis	1	-	1
6. Psychoses with Huntington's chorea	-	-	-
7. Psychoses with brain tumor	-	-	-
8. Psychoses with other brain or nervous diseases	-	1	1
9. Alcoholic psychoses	1	-	1
10. Psychoses due to drugs and other exogenous toxins	-	1	1
11. Psychoses with pellagra	-	-	-
12. Psychoses with other somatic diseases	-	-	-
13. Manic-depressive psychoses	3	4	7
14. Involution melancholia	-	1	1
15. Dementia praecox	8	5	13
16. Paranoia and paranoid conditions	1	2	3
17. Epileptic psychoses	1	-	1
18. Psychoneuroses and neuroses	-	-	-
19. Psychoses with psychopathic personality	1	-	1
20. Psychoses with mental deficiency	-	-	-
21. Undiagnosed psychoses	-	-	-
22. Without psychosis	-	-	-
Total	17	15	32

TABLE 15. *Discharges of Patients Classified with Reference to Principal Psychoses and Condition on Discharge*

PSYCHOSES	Total			Recovered			Improved			Unimproved		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	1	-	1	-	-	-	1	-	1	-	-	-
2. Senile	-	1	1	-	-	-	-	1	1	-	-	-
3. With cerebral arteriosclerosis	2	-	2	-	-	-	2	-	2	-	-	-
4. General paralysis	-	2	2	-	-	-	-	1	1	-	1	1
5. With cerebral syphilis	1	-	1	-	-	-	-	-	-	1	-	1
6. With Huntington's chorea	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases	-	-	-	-	-	-	-	-	-	-	-	-
9. Alcoholic	1	-	1	-	-	-	1	-	1	-	-	-
10. Due to drugs and other exogenous toxins	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases	-	1	1	-	1	1	-	-	-	-	-	-
13. Manic-depressive	5	8	13	3	2	5	1	5	6	1	1	2
14. Involution melancholia	1	6	7	-	-	-	1	6	7	-	-	-
15. Dementia praecox	21	13	34	1	-	1	14	12	26	6	1	7
16. Paranoia and paranoid conditions	2	-	2	-	-	-	2	-	2	-	-	-
17. Epileptic psychoses	1	-	1	-	-	-	1	-	1	-	-	-
18. Psychoneuroses and neuroses	2	3	5	-	-	-	2	3	5	-	-	-
19. With psychopathic personality	1	1	2	-	-	-	1	1	2	-	-	-
20. With mental deficiency	-	-	-	-	-	-	-	-	-	-	-	-
21. Undiagnosed psychoses	-	-	-	-	-	-	-	-	-	-	-	-
22. Without psychosis	2	-	2	-	-	-	-	-	-	-	-	-
Total	40	35	75	4	3	7	26	29	55	8	3	11

TABLE 15-A. *Hospital Residence During This Admission of First Court Admissions Discharged during 1933*

PSYCHOSES	Number			Average Net Hospital Residence in Years		
	M.	F.	T.	M.	F.	T.
1. Traumatic	1	-	1	1.46	-	1.46
2. Senile	-	1	1	-	.50	.50
3. With cerebral arteriosclerosis	2	-	2	.65	-	.65
4. General paralysis	-	1	1	-	.29	.29
5. With cerebral syphilis	1	-	1	5.00	-	5.00
6. With Huntington's chorea	-	-	-	-	-	-
7. With brain tumor	-	-	-	-	-	-
8. With other brain or nervous diseases	-	-	-	-	-	-
9. Alcoholic	1	-	1	1.00	-	1.00
10. Due to drugs and other exogenous toxins	-	-	-	-	-	-
11. With pellagra	-	-	-	-	-	-
12. With other somatic diseases	-	1	1	-	.20	.20
13. Manic-depressive	4	3	7	.69	.83	.76
14. Involution melancholia	1	6	7	.50	.60	.59
15. Dementia praecox	17	8	25	.66	.69	.67
16. Paranoia and paranoid conditions	1	-	1	1.50	-	1.50
17. Epileptic psychoses	1	-	1	.50	-	.50
18. Psychoneuroses and neuroses	2	2	4	.50	.39	.44
19. With psychopathic personality	1	1	2	.29	1.50	.89
20. With mental deficiency	-	-	-	-	-	-
21. Undiagnosed psychoses	-	-	-	-	-	-
22. Without psychoses	1	-	1	.12	-	.12
Total	33	23	56	.04	.13	.04

TABLE 16. Causes of Death of Patients Classified with Reference to Principal Psychoses

CAUSES OF DEATH	Total			Senile			With cerebral arterio-sclerosis			General paralysis			Alcoholic			Manic-depressive		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
<i>Epidemic, Endemic and Infections Diseases</i>																		
Tuberculosis of the respiratory system.	4	-	4	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Tuberculosis of other organs.	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis (non-nervous forms).	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>General Diseases not Included in Class I</i>																		
Cancer and other malignant tumors	3	7	10	-	3	3	1	-	1	-	-	-	1	-	1	-	-	-
Alcoholism (acute or chronic).	1	-	1	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
Other general diseases.	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Diseases of the Nervous System</i>																		
Cerebral hemorrhage, apoplexy	4	2	6	1	-	1	2	2	4	-	-	-	-	-	-	-	-	-
General paralysis of the insane	5	1	6	-	-	-	-	-	-	4	1	5	-	-	-	-	-	-
Other forms of mental diseases	1	-	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases of the nervous system	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Diseases of the Circulatory System</i>																		
Endocarditis and myocarditis.	16	12	28	3	4	7	7	-	7	-	-	-	1	-	1	2	3	5
Other diseases of the heart	-	5	5	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Arteriosclerosis.	13	3	16	5	2	7	4	1	5	-	-	-	-	-	-	-	-	-
Other diseases of the circulatory system	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Diseases of the Respiratory System</i>																		
Bronchopneumonia	1	7	8	-	3	3	-	1	1	-	-	-	-	-	-	-	-	-
Lobar pneumonia	1	1	2	-	1	1	-	-	-	-	-	-	-	-	-	1	-	1
Asthma	-	1	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
<i>Diseases of the Digestive System</i>																		
Hernia and intestinal obstruction.	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases of digestive system (cancer and tuberculosis excepted)	1	-	1	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
<i>Non-Veneral Diseases of Genito-Urinary System and Anæmia</i>																		
Nephritis.	1	-	1	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
Other diseases of genito-urinary system	1	-	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
<i>External Causes</i>																		
Suicide	2	-	2	-	-	-	-	-	-	-	-	-	1	-	1	1	-	1
Accidental traumatism	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	59	41	100	10	17	27	15	4	19	5	1	6	4	-	4	5	3	8









TABLE 19. *Average Length of Hospital Stay During the Present Admission of All Cases in Residence on September 30, 1933*

PSYCHOSES	Number			Average Length of Residence in Years		
1. Traumatic . . . . .	1	—	1	12.5	—	12.5
2. Senile . . . . .	11	35	46	3.39	4.83	4.48
3. With cerebral arteriosclerosis . . . . .	20	18	38	2.48	2.53	2.50
4. General paralysis . . . . .	36	9	45	5.63	4.72	5.45
5. With cerebral syphilis . . . . .	12	3	15	3.73	5.50	4.09
6. With Huntington's chorea . . . . .	—	—	—	—	—	—
7. With brain tumor . . . . .	—	—	—	—	—	—
8. With other brain or nervous diseases . . . . .	17	20	37	4.48	2.78	3.56
9. Alcoholic . . . . .	59	11	70	7.86	10.50	8.28
10. Due to drugs and other exogenous toxins . . . . .	—	—	—	—	—	—
11. With pellagra . . . . .	1	—	1	.45	—	.45
12. With other somatic diseases . . . . .	2	3	5	7.50	7.48	7.49
13. Manic-depressive . . . . .	47	65	112	4.61	5.16	4.93
14. Involution melancholia . . . . .	4	27	31	4.23	5.71	5.52
15. Dementia praecox . . . . .	234	363	597	9.23	8.63	8.87
16. Paranoia and paranoid conditions . . . . .	10	24	34	6.38	4.02	4.72
17. Epileptic psychoses . . . . .	7	7	14	5.62	4.07	4.85
18. Psychoneuroses and neuroses . . . . .	1	8	9	.45	5.74	5.15
19. With psychopathic personality . . . . .	8	13	21	3.34	4.17	3.85
20. With mental deficiency . . . . .	17	42	59	8.20	8.63	8.51
21. Undiagnosed psychoses . . . . .	—	—	—	—	—	—
22. Without psychoses . . . . .	15	7	22	12.29	6.05	10.30
Total . . . . .	502	655	1,157	7.47	7.21	7.32





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The Commonwealth of Massachusetts

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ANNUAL REPORT

OF THE

TRUSTEES

OF THE

MASS.: FOXBOROUGH STATE HOSPITAL (Insane).

FOR THE

YEAR ENDING NOVEMBER 30,

1934

DEPARTMENT OF MENTAL DISEASES



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GARDNER STATE HOSPITAL  
EAST GARDNER, MASS.

1935

average. There were no serious epidemics during the year. A number of employees sustained accidental injuries which were reported to the Department of Industrial Accidents.

#### MEDICAL AND SURGICAL CARE

Major operations were performed by the following members of the visiting staff: Drs. Thomas J. Scanlan, Lawrence J. Louis, William J. MacDonald, Wallace Haley and Russell J. Sullivan, assisted by members of the Hospital Staff who also performed a considerable number of operations throughout the year. All new employees and patients were vaccinated and those of suitable age were given typhoid inoculations. There were 162 lumbar punctures and 64 patients were given anti-syphilitic treatments of which 40 were intramuscular and 24 intravenous.

#### STAFF CONFERENCES

Conferences were held daily throughout the year except on Sunday. All new admissions were presented for diagnosis; also all patients who were to leave on a trial visit for the first time. We have continued the practice of examining in staff conference the records of all cases on trial visit before discharging the case from the hospital.

#### PHYSIOTHERAPY AND X-RAY

Miss Mary Villone has been in charge of all work done. The total number of treatments given was 1,579, as follows: — Baking, 614; massage, 500; Ultra Violet Ray (Air cooled) 326; autocondensation 117; Diathermy 22. Number of men patients treated 31; women 46; employees 28; total 105.

X-ray: — Individuals worked on, 359; films for general work, 1,251; dental 269.

#### HYDROTHERAPY

Mr. Carl M. Pease has directed the hydrotherapy for men and Miss Florence MacDonald the hydrotherapy for women. The need for more equipment to properly carry on this highly important form of treatment has been felt even more keenly this year with the gradual increase in population. We believe it essential that continuous bath suites should be installed in the buildings for both the disturbed men and the disturbed women in order that sedative treatments may be given.

Lectures and demonstrations to nurses in the training school and attendant nurses were given throughout the year.

	<i>Men</i>	<i>Women</i>
Number of patients given wet-sheet packs . . . . .	161	98
Number of packs administered . . . . .	1,059	768
Number of hours of treatment given in wet sheet packs . . . . .	3,942	3,722
Number of patients given continuous baths . . . . .	92	138
Number of bath treatments given . . . . .	1,146	1,892
Number of hours of continuous bath treatments given . . . . .	8,662	39,406
Number of tonic bath treatments . . . . .	2,849	5,164

#### OCCUPATIONAL THERAPY

During the current year the activities of this department have continued under the direction of Miss Mildred F. Stuart and two assistants. In addition to the usual type of therapy comprising ward classes in both the male and female services and work in the classroom, attention has been paid to physical education classes for men and women in which group games have been tried with considerable success, the patients showing marked interest in such activities. The games played have consisted of baseball, volley ball, basket ball and bowling, these being in addition to the regular calisthenics. Recreational activities have consisted of walking parties, whist parties, festive dances, tournaments of games — all occurring as holiday celebrations. During the Christmas Season various wards and the Administration Building were decorated. Considerable attention was paid to developing a choir composed of patients and those taking a leading part in the community singing and various forms of entertainment during the season.

This department has continued to maintain supervision over the hospital library and circulation of books among patients and employees has been most gratifying. Among the patients the circulation was approximately 10,000 volumes.

The following is a summary of the articles produced during the year: 3 ash trays, 2 baby blankets, 9 pr. book ends, 2 bridge sets, 7 chair back sets, 6 checker board sets, 47 pr. decorated curtains, 14 doz. face cloths, 7 foot stools, 1 end table, 21 door silencers, 5 doz. handkerchiefs, 2 hooked rugs, 9 crocheted hats, 23 mats and 8 napkins for luncheon set, 16½ dozen runners, 6 hand-woven runners, 8 doz. woven and braided rugs, 5 doz. embroidered and plain pillows, 86 doz. dish towels, 79 doz. hand towels, 1½ doz. slide holders, 4 sweaters, 21 knitted scarfs, 15 tray cloths, 7 wall hangings, 3 waste baskets, 4 vases.

#### WOMEN'S INDUSTRIAL

Much valuable work was done by the women patients in this department working under supervision. It is now being done in two divisions: one division in which there are manufactured all suitable articles from new materials, and the other in which there are manufactured curtains, embroidery pieces, and other articles for various uses; also the greater part of the mending is done in this department. The following is a list of the articles produced: — 3 altar cloths, 30½ doz. kitchen aprons, 5 doz. bureau scarfs, 29 doz. bedgowns, 34 tea bags, 6 jelly bags, 7¼ doz. bathrobes, 2 doz. bath mats, 755 buttonholes for tailor, 21 strong blankets, 9 pr. child's bloomers, 24½ doz. laundry board covers, 2½ doz. water bottle covers, 2 doz. bedpan covers, 15 hydro tub covers, 5 bedspring covers, 3¼ doz. bread covers, 15 doz. screen covers, 4 extractor covers, 7¼ doz. sash curtains, 156 pr. drapery curtains, 2 cassocks, 20½ doz. combinations, 4 doz. coats, 14 caps, 4 collars, 75¾ doz. dresses, 25 doz. strong dresses, 53½ doz. prs. garters, 27 doz. men's shorts, 50½ doz. mattress ticks, 67 doz. night robes, 2 doz. napkins, 13 pr. overdresses, 3 doz. pan holders, 174¾ doz. pillow cases, 231 doz. sheets, 121½ doz. shirts, 1½ doz. surgical gowns, 14 doz. surgical supplies, 1½ doz. smocks, 6 slips, 3 pr. slippers, 7½ doz. shrouds, 40½ doz. spreads, 27 pr. tie backs, 28½ doz. tablecloths, 258½ doz. bath towels, 400 doz. hand towels, 68 valances, 25 window shades.

In the marking room special attention has been given to the marking of all patients' clothing and of all articles used in the institution. During the year, a total of 23,169 articles were marked.

#### MEN'S INDUSTRIAL

This work has been carried on by Mr. Henry A. Turner who has shown an unusual amount of interest in the preparation and canning of vegetables. Many articles were made from new material and many others repaired as follows: —

*Made:* 285 corn brooms, 4 long handled floor brushes, 1 long handled scrub brush, 716½ yds. toweling woven, 104 mattresses, 6 strong mattresses, 66 pillows, 68 window shades, 2 mallets, 25 clothing boxes, 18 x-ray hangers, 250 arm brackets, 50 rocking chairs, 8 kneeling benches, 4 doors, 1 glass laboratory tank, 1 head measuring jug, 9 bulletin boards, 256 prs. trousers, 1 x-ray cabinet, 1 x-ray film frame box, 1 tailor's square, 2 tailor's horses, 1 30-compartment filing case, 4 towel racks, 1 set of legs for heat block, 1 medicine cabinet, 2 lawn mowing rolls, 1 x-ray clock shelf, 1 suit of clothes, 1 special screw driver, 11 lavatory pedestals, 1 screwdriver, 1 cane, 1 microscopic screen, 2 Christmas set-piece figures, 1 base ball plate, 1 x-ray exhibit frame, 1 weather gauge, 1 gross chair arms, 1 gross chair arm brackets.

*Repaired:* 567 shoes nail soled, 423 shoes stitched soled, 713 shoes heeled, 430 shoes patched, 148 leather articles, 122 brushes, 356 handles, 4 settees scraped, 3 tables scraped, 251 chairs scraped, 459 pieces furniture, 30 chairs re-caned, 29 clocks repaired, 239 chairs rodded, 39 dishwasher trays, 303 mattresses, 6 pillows, 24 tables, 40 drawers, 654 chairs, 110 scissors sharpened, 27 locks, 59 window shades, 53 pr. spectacles repaired, 4 dish washer trays rodded, 3 dry mops, 1 ice chest, 2 looms, 3 sets candle pins, 13 pictures framed, 1 bath thermometer, 100 mop pail rolls turned, 24 chair feet turned, 2 floor polishers recovered, 1 castor, 1 x-ray bench, 1 x-ray viewing stand, 1 screen door, 66 mop pail wringers, 1 ice cream freezer, 2 carpet sweepers, 3 glass panels cut, 1 mirror frame, 8 benches, 1 box, 2 lamps, 1 fernery, 2 flower boxes, 1 toilet seat.

*Canning:* 1,159 gals. onions, 535 gals. carrots, 5,079 gals. beans, 5,211 gals. tomatoes.



### PATHOLOGICAL AND RESEARCH

The work of this department has been under the direction of Dr. David Rothschild with Mr. Charles Hamberg in charge of the laboratory. One student has been taking the course in laboratory technique.

*Pathological Department:* Thirty-one autopsies were performed during the year. This was twenty-four per cent of the deaths occurring in the hospital. The psychiatric diagnoses in these cases were as follows:

Dementia praecox, 7; psychosis with cerebral arteriosclerosis, 5; general paresis, 3; psychosis with somatic disease, 2; psychosis with other brain or nervous diseases, type undetermined, 2; manic depressive psychosis, manic type, 2; manic depressive psychosis, depressed type, 2; senile psychosis, 2; psychosis with mental deficiency, 1; psychosis with epilepsy, 1; involution melancholia, 1; psychosis with psychopathic personality, 1; alcoholic psychosis, chronic deterioration, 1; alcoholic psychosis, other types, 1.

The primary causes of death as determined by autopsy were as follows:

Lobar pneumonia, 4; generalized arteriosclerosis, 4; cerebral hemorrhage (arteriosclerotic) in a diabetic, 1; cardiac hypertrophy with general anasarca and generalized arteriosclerosis, 1; general paresis, 3; pulmonary tuberculosis, 3; cardio-renal disease, 2; senile degeneration of the brain, 1; myocardial degeneration, 1; acute dilatation of the heart, 1; bronchopneumonia, 1; brain tumor, 1; cirrhosis of the liver, 1; cancer of the pylorus with metastases to the liver, 1; acute arsenical poisoning, 1; strangulation, 1; bronchoectasis, 1; asphyxia due to foreign body (food) in larynx, 1; septicemia from cellulitis of the hand, 1; carcinoma of the uterus with metastatic disease to the liver, 1.

Nine specimens were received from the operating room for pathological examination. Two interesting cases of toxic psychosis showing changes of a senile type are being studied in connection with the three new cases of the Alzheimer's Disease mentioned in last year's report. They will be prepared for publication. Work has been begun on a histological study of the blood-cerebrospinal fluid barrier in connection with the chemical investigations by means of Walter's Bromide Test carried out previously.

### CHEMICAL, BACTERIOLOGICAL, AND SEROLOGICAL DEPARTMENTS

As in the past years, complete blood counts, quantitative chemical studies of the blood and five urinalyses were performed routinely on all patients admitted to the hospital. Further examinations were made at the request of the staff physicians: 716 blood counts and 3,412 urinalyses were performed. The following blood chemical determinations were made: Blood sugar in 530 cases, non-protein nitrogen in 476 cases, calcium in 200 cases, creatinine in 197 cases, chloride in 167 cases, phosphorus in 169 cases, uric acid 117 cases, urea in 67 cases, cholesterol in 91 cases and magnesium in 12 cases. A study of the glutathion of the blood was begun, 390 determinations of this substance being performed.

Spinal fluid examinations were made in 162 cases. The total protein, number of cells and colloidal gold curve were determined as a routine procedure in all specimens. The investigation of the blood-cerebrospinal fluid barrier carried out in previous years has been continued. Parallel determinations of the blood and spinal fluid content of a number of substances have been performed. The number of determinations made on the spinal fluid was as follows: Sugar 143 determinations, non-protein nitrogen 143, calcium 189, chloride 92, phosphorus 81, creatinine 63, uric acid 39, urea 12 and magnesium 6 determinations. In conjunction with this work, the distribution ratio of bromide between the blood and cerebrospinal fluid was estimated in 145 cases. The studies made on calcium during the past few years were collected in a paper which was read at the 1933 meeting of the American Psychiatric Association. The ultra filtration experiments described in last year's annual report were concluded. Sixty-six experiments were performed in which the calcium content of the ultrafiltrate, blood and spinal fluid were compared. Thirty-seven determinations of the bromide content of the ultrafiltrate were also made. It is expected that this work will form the basis of a future paper.

Other laboratory procedures were carried out at the request of the physicians: Basal metabolism tests, 27; examinations of feces, 42; examinations of stomach



contents, 6; Van den Bergh tests, 5; icterus index determinations, 5; sedimentation rate estimates, 7; estimates of the fragility of the red blood cells, 2; renal function tests, 3; dark field examinations, 2; Ascheim-Zondek test (Freedman modification) for pregnancy, 3.

The bacteriological work included 164 cervical and 164 urethral smears examined for gonorrhea, 66 smears of sputum studied for tuberculosis, 8 blood cultures, 7 smears and cultures obtained from wounds and 8 throat smears and cultures.

In addition to the examinations mentioned above, the following work was performed on employees during the course of the year: 89 urinalyses; 131 blood counts, 56 throat smears and cultures; 25 examinations of feces and 3 of gastric contents; 7 blood sugar; 5 non-protein nitrogen; 1 phosphorus and 2 uric acid determinations; 3 smears of sputum; 5 determinations of the clotting time; 6 basal metabolism tests and 1 blood culture.

The weekly syphilitic treatment clinic was continued. Twenty-three patients received tryparsamide, forty received bismuth and one received neoarsphenamine. Malarial treatment was given to a number of patients on the wards.

During the past year, a paper on "Alzheimer's Disease: a Clinical and Pathological Study of Five Cases" which was read at the annual meeting of the American Psychiatric Association in Boston on May 29, 1933 was accepted for publication in the American Journal of Psychiatry. It is expected to appear shortly.

A paper on the "Blood-Cerebrospinal fluid Barrier in Mental Disorders: Distribution Ratio of Calcium and its Relation to that of Bromide and to the Protein Content of the Cerebrospinal Fluid" was read at the annual meeting of the American Psychiatric Association held at New York in May, 1934. This article is being prepared for publication.

At the present time a paper dealing with further studies on Alzheimer's Disease is also being prepared for publication.

#### NEUROPSYCHIATRIC CLINIC

The Brockton Out Patient Clinic has been held each Wednesday under the direction of Dr. David Rothschild, assisted by Dr. Anne L. Clark and the Social Service Department.

It has continued to serve the surrounding communities from the point of view of diagnosis and treatment of neuropsychiatric disorders. More than one-third of the cases were referred to the clinic by physicians of Brockton and neighboring areas. Social agencies accounted for one-sixth of the new cases and the various school authorities a slightly smaller number. Twenty-four cases were sent to the clinic by court or police officials. Seventeen patients came to the clinic on their own initiative or on the advice of friends or relatives.

A total of three hundred and ninety-nine visits were made to the clinic during the course of the year. There were one hundred and seventy new cases, which included ninety-three males and seventy-seven females. Of this number, seventy-six patients were children or juveniles. There were eighteen re-opened cases and sixteen carried over from the previous year, making the total number of patients visiting the clinic two hundred and four.

The largest group of new cases, thirty-nine in number, consisted of various types of conduct disorder in children and adolescents. Nineteen patients belonging to this group were of dull normal intelligence and three of high intelligence. Patients who were feeble-minded or of borderline intelligence were not included in this group. Most of the patients showed disorders of conduct at home or in school, and asocial tendencies were common. Twelve juvenile delinquent cases were classified in the group. Enuresis was the chief problem in five cases and difficulties in the sexual sphere were encountered in ten patients. In five cases, disturbances of speech were prominent. Many of the patients belonging in this group were seen on numerous occasions at the clinic and were given intensive treatment. Corrective advice to parents and other persons concerned played an important role in the treatment of these cases.

Eighteen cases were referred by court officials under Chapter 215 of the regulations governing juvenile delinquents. Most of these patients showed behavior disorders in which asocial trait such as stealing occupied the foreground of the clinical picture. In five cases, sexual difficulties were the outstanding problem.

One patient belonging in this group was definitely feeble-minded. Five were of borderline intelligence. Seven were classified as dull normal and only one was of high intelligence.

A diagnosis of neurosis or psychoneurosis was made in twenty-six cases. Nine cases were classified as hysterical and an equal number as traumatic neurosis. There were five patients with neurasthenia.

Seventeen patients were definitely feeble-minded. In most of these cases backwardness in school and disorders of conduct at home and in school were observed. Sexual problems were in the foreground in five cases.

Sixteen patients were of borderline intelligence. Here conduct disorders of a general nature were frequent. Sexual difficulties were noted in three cases. In many instances, marked improvement was obtained by correcting unfavorable home influences and by placing the patients in school classes which did not demand greater intellectual efforts than their intelligence warranted.

Twenty-four patients showed psychoses of various types. Eleven patients belonging in this group were referred to the clinic from the hospital for follow-up work. Among the other cases, affective psychoses proved to be the commonest type of disorder. Milder cases were treated at the clinic, but in a considerable number of instances it was necessary to recommend commitment to a hospital for mental diseases.

Thirty-five patients showed disorders of a neurological nature. There were six cases of head trauma and an equal number in which trauma to the peripheral nerves was observed. There were three cases of neurosyphilis, three of cerebral arteriosclerosis, six peripheral neuritis, two of facial paralysis (Bell's Palsy) and one of epilepsy. Among rarer conditions, one might mention two cases of spinal cord tumor, one of paralysis agitans and one of progressive muscular atrophy.

The staff of the Brockton Hospital has continued to avail itself of the facilities of the clinic. The patients referred to the clinic by physicians included a considerable number sent by the Out Patient Department of the Brockton Hospital. Seventy-six cases were seen in consultation on the wards of the Brockton Hospital.

As in the past, a course of eight lectures on psychology was given to the nurses in training at the Brockton Hospital.

We desire to express our indebtedness to Dr. Hollister and the staff of the Brockton Hospital for the help and cooperation extended to us.

#### SCHOOL CLINICS

The work this year has been done by Dr. Anne L. Clark, assisted by Miss Elizabeth C. Bail, psychometrist and the staff of Social Workers.

During the year from December 1, 1933 to November 30, 1934, the School Clinic has examined all retarded and other children recommended by the Superintendents in the towns of Bellingham, Braintree, Bridgewater, Canton, Cohasset, East Bridgewater, Foxborough, Hingham, Hull, Mansfield, Mendon, Milton, Needham, Sharon, Stoughton, Walpole, Wellesley, Weymouth, Wrentham and Plainville. In all of the towns mentioned except Plainville, the school clinic has been held in previous years.

There are special classes in thirteen of the towns examined by us. The new ones established during the current year were one in Hingham, one in Cohasset, one in Canton and three in Braintree. The town of Weymouth added two to the two already in operation, making it possible to segregate its special class children in age groups.

We performed in all 642 examinations, — 444 on boys and 198 on girls; 138 were found to be feeble-minded, — 90 male and 48 females; 222 were of borderline intelligence, — 158 males and 64 females. We recommend for institutional care, 14 children: 8 boys and 6 girls. For special class, we recommended 210 children: 143 boys and 67 girls. The remaining 418 received other recommendations.

We have had excellent cooperation of school authorities in all the towns visited. Many short informal discussions with teachers, principals and nurses have helped to a better understanding of the children in question. There have been a number of profitable discussions with parents also.

The psychometrist's work has been done mainly in connection with the school clinics. Every child examined is given a psychometric examination. She has



shared the work of the physician in giving school tests in those towns where no teacher has been assigned for the work.

The following psychometric examinations were done in the hospital: Total number of patients tested, 61; number of Stanford tests, 55; number of performance tests, 35; Wells Memory tests, 13; Army Beta tests, 2; other tests, 3.

The following psychometric work was done at the Brockton clinic: Number of patients tested 83; number of Stanford tests, 80; performance tests, 7; school tests, 23; Merrill-Palmer series, 1; Army Beta tests, 1; other tests, 1.

In the hospital out-patient department, 1 child was examined by special appointment, a Stanford and school test was given.

The following psychometric work was done at the jails: Number of prisoners examined, 28; number of Stanford tests, 24; performance tests, 22; Army Beta tests, 3.

We wish to express our appreciation of the valuable assistance rendered to us by the superintendents of schools and all those who helped in the obtaining of histories and in the giving of school tests.

#### DENTAL DEPARTMENT

Dr. Lawrence S. Quinn resigned as resident dentist on February 16, 1934. Dr. George J. Gaw then served under a provisional appointment until Dr. Edward L. Small was regularly appointed on July 30, 1934. Miss Pearl Vincent has assisted as dental hygienist.

Patients were treated as follows: Total number of patients treated, 4,070; operations 3,194; extractions, 2,129; fillings, 142; cleanings 254.

#### SOCIAL SERVICE

Miss Elizabeth L. Moseley has continued to conduct the work in this department with the assistance of one psychiatric social worker and two students in social service under the Department of Mental Diseases.

This department has dealt during the year since December 1, 1933 with a total of 834 cases (454 males, and 380 females.) Of these 553 (329 M, 224 F) were referred to this department for the first time. This total number divides itself into two main groups; namely, those patients under commitment to this hospital, which number 531, and those persons dealt with in the community not under commitment. The latter number for the year was 303.

Of the 531 patients under commitment to the hospital, 272 were males and 259 females. Of these patients, 285 (159 M, 126 F) were new admissions to the hospital during the year, and as usual were referred to this department for a social history and investigation.

There have been during the year, 186 patients out on prolonged visit from the hospital, all of whom were under the general supervision of this department. Of these, 76 were men and 110 women. Many of these patients have been visited in their homes and some interviewed while reporting either at the hospital or at one of our out-patient clinics. Of those living in the Greater Boston District 35 have been reporting during the year at our clinic established two years ago for such patients at the Boston Psychopathic Hospital. One member of this department always attends this clinic with the physician and a total of 80 interviews has been held there by the worker, 34 with patients and 46 with relatives or friends accompanying the patients. These interviews are in addition to those held by the physician and have to do especially with the social situation in each case. In a few of these cases, intensive social treatment has been undertaken in attempting to help the patient in his readjustment in the community. For instance, in two of these 35 cases, the problem has been that of reestablishing the patient in a normal family environment. One of these patients is a woman whose husband is also in a mental hospital and whose children had been cared for by relatives while the mother was at our hospital. Through the cooperation of the local Public "Welfare Department, she has now been set up in housekeeping with her children in her own tenement.

Of the community cases not under commitment to the hospital, the largest group has been that of patients coming to the Brockton Neuropsychiatric Clinic, which usually two members of this Department attend each week. There were 186 such

patients dealt with, (101 M, 85 F) and a total of 232 interviews held, 52 with patients and 180 with other interested individuals. In a few of these cases, outside work has also been attempted in the way of further investigation or social treatment, but on the whole, it has been found more feasible to work through the local social agencies and a number of these cases have been referred to them.

As formerly, we have also secured some of the social histories in connection with the School Clinic work with certain retarded children, having this year obtained 80 of these histories, covering 6 towns; namely, Bellingham, Braintree, Bridgewater, Canton, Mendon, and Sharon. This number is considerably less than that of previous years, because every effort is being made to work out with the towns the plan of having their own school nurses secure these histories. It is hoped that eventually, all such histories will be thus handled by the school nurses, and in this way, the members of our Department will be released for the more intensive work with our own hospital or clinic patients. During the year, we have also made social investigations in 23 cases of certain prisoners awaiting trial, who, under the Briggs' law, were being examined for their mental condition. This leaves a balance of 14 miscellaneous cases which were handled in our own hospital Out Patient Department. A few of these were cases of Juvenile Delinquents where we secured the history and the others were persons in the vicinity referred for special mental examinations or for treatments. One case was that of a World War Veteran where a considerable amount of intensive social work was done by this Department necessitating a visit to the patients' home and contacts with several social agencies. His case was finally reopened by the U. S. Veterans' Bureau and left in their care.

The total number of interviews held during the year was as follows:

Interviews at hospital with relatives or other interested persons.....	741
Interviews with patients on the ward.....	139
Visits to patients outside the hospital.....	90
Visits to relatives of patients.....	339
Visits to social agencies.....	285
Visits to other interested individuals (employers, neighbors, etc.).....	869
Visits to homes in school clinic work.....	80
Interviews at out-patient clinics.....	312

A total of..... 2,855

#### TRAINING SCHOOL FOR PSYCHIATRIC NURSING

The work of the Training School has been conducted without interruption. On October 10, 1934, 5 members of the class of 1934, 2 of whom were men and 3 women, were granted their diplomas. There were 4 seniors in the class of 1935. On October 1, 1934, 14 juniors were enrolled in the class of 1936, 2 of whom are men from the male nursing service, and at the close of the fiscal year the number remains the same. Positions as head psychiatric graduate nurses have been found for all graduates of the class. We have continued to see a decided advantage to the patients in having a large training personnel in the ward service.

Staff conferences for graduate and psychiatric nurses have been held at frequent intervals and have been found to be profitable and in every way stimulating.

#### ENTERTAINMENT

The hospital orchestra under the leadership of Dr. William C. Gaebler, Assistant Superintendent, has continued to furnish music for the regular dances for patients and also on special occasions. On July Fourth, the Annual Field Day was largely attended by both patients and employees who took great enjoyment in both sports and games. Several picnics were held in the grove during the summer. Ex-service men were visited very frequently by members of the American Legion and the American Legion Auxiliary, Veterans of Foreign Wars and Veterans of Foreign Wars Auxiliary. As in former years they furnished entertainment and presented fruits, confectionery and many useful articles to the patients. A number of local organizations have furnished entertainments which were enjoyed by both patients and employees.



## RELIGIOUS SERVICES

Throughout the year the clergymen of the town of Foxborough have faithfully carried out their work of conducting religious services and making routine visits to the wards which we believe are looked forward to with a great deal of pleasure by the patients. We are very appreciative of the service rendered.

## LAUNDRY

The work of this important department has been carried on under considerable difficulty owing to the inadequate space, but the opening of the new building with its greater capacity and additional equipment should fully meet the needs of the institution. The work done is listed as follows: — 19,945 aprons, 12,064 belts, 29,674 blankets, 7,582 bloomers, 2,440 bathrobes, 2,032 bread covers, 3,692 caps, 960 collars, 5,710 coats, 4,280 pr. curtains, 64,540 dresses, 41,284 handkerchiefs, 7,752 kitchen coats, 33,864 laundry bags, 11,648 napkins, 72,852 night robes, 3,796 overalls, 6,864 pajamas, 6,488 pants, 1,768 rugs, 74,136 pr. stockings, 629,184 sheets, 63,442 shirts, 4,100 slips, 90,652 pillow slips, 74,658 spreads, 2,288 tub covers, 3,990 shorts, 103,312 towels, 66,664 undershirts, 56,372 underdrawers, 458 vests, 2,028 union suits; total pieces laundered 1,611,019.

## POWER HOUSE

Mr. William W. White as Chief Engineer has carried on the work of this department. The addition of several new buildings during the past few years has greatly increased the demand upon the heating and generating units to the limit of present capacity. This made necessary the alterations and additions to the power house and equipment which it is expected will be carried out under special appropriation for these purposes received under the Emergency Public Works Administration.

The breaking down of steam and hot water lines leading from the Power House to the various buildings in the rear of the institution, and which have been in operation for more than thirty years made it necessary to obtain a supplementary appropriation of \$3,000 to make needed replacements and repairs. This money was spent for materials and the work was done by the engineering department of the hospital. Considerable work has been done in the rearrangement of steam and hot water lines especially in the old buildings to meet changing conditions and with excellent results. As a part of the installation for the new laundry a special heater and storage tank for hot water were installed in the pump room. Extensive repairs were made to No. 1 engine. Under a Repair and Renewal appropriation the elevators in the rear of the service building were thoroughly overhauled and certain changes and additions made to increase the safety of their operation. Additional fire hose was purchased for the fire truck and also for the ward buildings. Additional radiation was installed in a number of the ward buildings.

As a Civil Works Administration project a new water line was laid connecting the power house with a line of Payson Road to serve in case of any emergency affecting the main supply from Chestnut Street.

Work has been continued in maintaining the fire department composed of the employee personnel and the training classes were continued. On April 10th, the Foxborough Fire Department held a special trial at the hospital in which apparatus and hose lines were thoroughly tested.

## REPAIR DEPARTMENT

Mr. Romeo H. Ross resigned as maintenance foreman on March 16, 1934, and on May 14, 1934 Mr. George P. Clark was appointed to succeed him.

In addition to the usual minor repairs considerable work was carried on by the employees in this department with the assistance of several groups of patients. A new road was built from Payson Road westward to the site of the new building for tuberculous patients; also a new road from the rear of the laundry and filter beds. A new steam trench was laid approximately 500 feet, under special appropriation elsewhere referred to, to accommodate the new requirements.

Cottage J was thoroughly renovated. A great deal of work has been done in the salvage yard by way of cleaning and preparation of salvage material.

## FARM

The farm continued to show increased production. The amount of market produce was considerably in excess of that of last year. The yield of potatoes was somewhat less. Other crops, however, produced a good yield and the total profit for the year after all costs of labor and material was deducted was \$17,909.41.

Briefly summarized the production was as follows: — Milk, 467,257.6 lbs.; eggs 86,291¾ doz. Vegetables: — Garden produce, 540,976¼ lbs.; potatoes, 192,060 lbs. Fruit, 108,831½ lbs. Meat: — Pork, 59,655 lbs.; poultry 6,436 lbs. Forage crops, 96,005 lbs. Total production, 1,480,801.35 lbs.

From this quantity 95,272 lbs. were canned: — String beans, 23,924 lbs.; cabbage, 3,172 lbs; carrots, 2,957 lbs.; cucumbers, 1,705 lbs., onions, 7,449 lbs.; tomatoes, 55,565 lbs.

## SPECIAL APPROPRIATIONS AND RECOMMENDATIONS

In accordance with the general plan as outlined in the previous reports covering the further developments of the institution appropriations were obtained under the Emergency Public Works Administration as follows: —

1. *Laundry*: This building will meet a long felt need of the institution. It is to be of one story, well lighted, heated and ventilated with ample space for the proper arrangement of equipment to furnish the utmost of safety and convenience in the carrying on of the work.

2. *Assembly Hall*: This building will be in accordance with the standard plan of the Department for such buildings. It is being erected on Payson Road and will be accessible through a tunnel under the street making it possible for patients to attend the various hospital functions without the necessity of going outside the buildings. The increased capacity over the old assembly hall will make it possible for a very much larger number to attend entertainments than has been possible heretofore.

3. *Building for Tuberculous Patients*: This building is to be of two stories erected at a considerable elevation on the west side of Payson Road. The first floor will be used for men and the second floor for women. It will be of fireproof construction throughout and it has been planned as a complete unit and will offer the best possible care for tuberculous cases.

4. *Enlarging of the day spaces and addition of open air porches to L, M, and N buildings*: Under an appropriation granted in 1930 certain of the female wards had similar additions made and the resulting advantages to the patients were so obvious that the above project was undertaken. When completed the additions will provide the proper relationship between dormitory space and day space in accordance with the standards of the Department of Mental Diseases and will facilitate greatly the care of the patients. The work on the above project was started in July of this year and has shown good progress. It is expected that the buildings will be ready for occupancy early in 1935.

5. *Power Plant*. This project has become necessary because of the fact that the present boilers because of their age are closely reaching the limit of their usefulness. In order to install boilers of greater capacity to meet the present needs of the institution it is necessary that certain alterations be made in the power house. These as well as new oil burning boilers and fuel tanks are provided for under the above appropriation.

There are certain projects which we would expressly recommend for the coming year. At the present time a considerable number of employees occupy quarters on the second floor of one of the patients' buildings. We would propose the building of an additional home to accommodate 38 women employees. The occupancy of this building would leave vacant the second floor of the Ward C Building which could be renovated at a reasonable cost to accommodate 40 patients. The old Assembly Hall will become vacant early in 1935. It is in sound condition and would lend itself readily to remodeling for the accommodation of 65 patients. This could also be done at a very reasonable cost.

Our facilities for storage of crops are entirely inadequate and we would recommend the construction of a root cellar to be erected at the rear of the main hospital. Other outstanding needs are an addition to the cow barn to provide facilities for the care of a larger herd, and the erection of a piggery at the colony farm to replace

the one now at the main hospital, and which is wholly inadequate to meet the needs of the institution. The gradual increase in patient population and in that of employees is making it increasingly difficult to serve meals in the present dining room. Considerable equipment will soon need replacement. We believe cafeteria service to be more satisfactory and for that reason would recommend material alterations to the present dining room and kitchen buildings, and the erection of an addition to provide a dining room for employees; also the installation of cafeteria equipment.

#### ACKNOWLEDGEMENTS

We feel deeply indebted to various organizations, town and court officials and others in the community who have been especially helpful to us in the work of our out patient clinics and public school clinics.

A number of excellent entertainments have been rendered at the hospital by several organizations of the community. Patients have particularly enjoyed the larger quantity of reading material which has been contributed and we wish to express our appreciation of the earnest efforts put forth by relatives and friends of the patients to supply them with gifts and clothing during the year.

I would take this opportunity of expressing to members of the Board of Trustees my appreciation of their support and to the hospital personnel who have given so loyally of their time and energy in carrying out the work of the hospital.

Respectfully submitted,

RODERICK B. DEXTER,

*Superintendent.*

#### VALUATION

November 30, 1934

##### REAL ESTATE

Land, 352.4 acres . . . . .	\$35,400.00
Buildings and betterments . . . . .	1,972,128.59
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	\$2,007,528.59

##### PERSONAL PROPERTY

Travel, transportation and office expenses . . . . .	\$520.00
Food . . . . .	10,485.25
Clothing and materials . . . . .	15,730.00
Furnishings and household supplies . . . . .	171,119.96
Medical and general care . . . . .	33,369.28
Heat and other plant operation . . . . .	4,302.78
Farm . . . . .	38,226.76
Garage and grounds . . . . .	14,201.37
Repairs . . . . .	14,963.24
	<hr/>
	\$302,918.64

##### SUMMARY

Real estate . . . . .	\$2,007,528.59
Personal property . . . . .	302,918.64
	<hr/>
	\$2,310,447.23

#### FINANCIAL STATEMENT

*To the Department of Mental Diseases:*

I respectfully submit the following report of the finances of this institution for the fiscal year ending November 30, 1934.

##### STATEMENT OF EARNINGS

Board of patients . . . . .	\$45,394.65
Personal Services . . . . .	136.00
Sales:	
Food . . . . .	\$842.89
Furnishings and household supplies . . . . .	46.00
Medical and general care . . . . .	80.90
Heat and other plant operations . . . . .	192.05
Garage and grounds . . . . .	73.08
Repairs ordinary . . . . .	13.70
Farm . . . . .	108.65
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Total sales . . . . .	1,357.27
Miscellaneous:	
Rents . . . . .	485.09
N. E. Tel. and Tel. Co. . . . .	56.63
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Total Miscellaneous . . . . .	541.72
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Total earnings for the year . . . . .	\$47,429.64
Total cash receipts reverting and transferred to the State Treasurer . . . . .	47,404.64



Accounts receivable outstanding December 1, 1933 . . . . .	—	
Accounts receivable outstanding November 30, 1934 . . . . .	25.00	
Accounts receivable increased, . . . . .		25.00

MAINTENANCE APPROPRIATION		
Balance from previous year, brought forward . . . . .		\$6,510.10
Appropriation, current year . . . . .		383,945.00

Total . . . . .		\$390,455.10
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Expenditures as follows:		
1. Personal services . . . . .	\$199,984.20	
2. Food . . . . .	58,777.52	
3. Medical and general care . . . . .	8,754.24	
4. Religious instruction . . . . .	1,365.32	
5. Farm . . . . .	17,825.76	
6. Heat and other plant operations . . . . .	36,027.22	
7. Travel, transportation and office expenses . . . . .	5,925.28	
8. Garage and grounds . . . . .	4,550.31	
9. Clothing and materials . . . . .	11,737.54	
10. Furnishings and household supplies . . . . .	17,656.25	
11. Repairs ordinary . . . . .	8,111.51	
12. Repairs and renewals . . . . .	5,922.87	

Total maintenance expenditures . . . . .		\$376,638.02
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Balance of maintenance appropriations, November 30, 1934 . . . . .		13,817.08
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\$390,455.10

SPECIAL APPROPRIATIONS		
Balance December 1, 1933, brought forward . . . . .		\$4,953.69
Appropriations for current year . . . . .		564,000.00

Total . . . . .		\$568,953.69
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Expended during the year (see statement below) . . . . .	\$128,436.84	
Reverting to Treasury of Commonwealth . . . . .	\$577.08	
(Star balances below that are reverting) . . . . .		129,013.92

Balance November 30, 1934, carried to next year . . . . .		\$439,939.77
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APPROPRIATION	Act or Resolve	Total Am't. Appropriated	Expended during Fiscal Year	Total Expended to Date	Balance at end of year
Furnishings, farm dormitory . . . . .	1932	\$10,000.00	\$299.17	\$9,977.79	\$22.21*
Verandas, female ward buildings . . . . .	1932	35,000.00	4,055.20	34,445.13	554.87*
Boiler settings, etc. . . . .	1933	3,000.00	—	2,977.76	22.24
Laundry building and equipment, M.S. P. No. M-8, No. 1940 . . . . .		102,000.00	27,561.59	27,561.59	74,438.41
Pavilion T. B. patients and verandas, M. S. P. No. M-9-30, No. 1803 . . . . .		225,000.00	67,510.71	67,510.71	157,489.29
Assembly building and tunnel, M. S. P. No. M-31, No. 1741 . . . . .		129,000.00	28,842.92	28,842.92	100,157.08
Boiler house, M. S. P. No. M-32, No. 5564 . . . . .		108,000.00	167.25	167.25	107,832.75

#### PER CAPITA

During the year the average number of patients has been, 1,144.

Total cost of maintenance, \$376,638.02.

Equal to a weekly per capita cost of (52 weeks to year), \$6.3294.

Total receipts for the year, \$47,404.64.

Equal to a weekly per capita of, \$7.966.

Total net cost of maintenance for year (Total maintenance less total receipts), \$329,233.38.

Net weekly per capita \$5.5328.

Respectfully submitted,

Harriet S. Bayley,

Treasurer.

#### STATISTICAL TABLES

AS ADOPTED BY THE AMERICAN PSYCHIATRIC ASSOCIATION PRESCRIBED BY THE MASSACHUSETTS DEPARTMENT OF MENTAL DISEASES

TABLE 1. *General Information*

(Data correct at end of institution year November 30, 1934)

1. Date of opening as a hospital for mental diseases, August, 1914.

2. Type of hospital: State.

3. Hospital plant:

Value of hospital property:

Real estate, including buildings . . . . . \$2,007,528.59

Personal property . . . . . 302,918.64

Total . . . . .

\$2,310,447.23

Total acreage of hospital property owned, 350.02.

Additional acreage rented, 17.

Total acreage under cultivation during previous year, 75 1/2.



## 4. Officers and employees: November 30, 1934.

	Actually in Service at End of Year			Vacancies at End of Year		
	M.	F.	T.	M.	F.	T.
Superintendents . . . . .	1	—	1	—	—	—
Assistant physicians . . . . .	5	2	7	—	—	—
Total physicians . . . . .	6	2	8	—	—	—
Stewards . . . . .	1	—	1	—	—	—
Resident dentists . . . . .	1	—	1	—	—	—
Pharmacists . . . . .	—	—	—	1	—	1
Graduate nurses . . . . .	—	11	11	—	1	1
Other nurses and attendants . . . . .	50	55	105	—	—	—
Occupational therapists . . . . .	2	4	6	—	—	—
Social workers . . . . .	—	2	2	—	—	—
All other officers and employees . . . . .	52	44	96	—	—	—
Total officers and employees . . . . .	112	118	230	1	1	2

## 5. Census of Patient Population at end of year:

	Actually in Hospital			Absent from Hospital but Still on Books		
	M.	F.	T.	M.	F.	T.
WHITE:	511	613	1,124	58	61	119
Insane . . . . .	—	—	—	—	—	—
Mental defectives . . . . .	2	3	5	—	—	—
Total . . . . .	513	616	1,129	58	61	119
OTHER RACES:	23	17	40	1	1	2
Insane . . . . .	—	—	—	—	—	—
Total . . . . .	23	17	40	1	1	2
Grand Total . . . . .	536	633	1,169	59	62	121

## 6. Patients under treatment in occupational-therapy classes, including physical training, on date of report

	M.	F.	T.
7. Other patients employed in general work of hospital on date of report . . . . .	30	98	128
8. Average daily number of all patients actually in hospital during year . . . . .	237	197	434
9. Voluntary patients admitted during year . . . . .	514	623	1,137
10. Persons given advice or treatment in out-patient clinics during year . . . . .	2	2	4
	126	101	227

TABLE 2. *Movement of Patient Population for the Year Ended September 30, 1934*

(Data in all of the following tables are based on the Statistical Year, October 1, 1933 to September 30, 1934)

	TOTAL			REGULAR COURT COMMITMENT (INSANE)			OBSERVATION			TEMPORARY CARE			VOLUNTARY		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Patients on books of institution September 30, 1933.	555	719	1,274	551	719	1,270	2	-	2	-	-	-	2	-	2
Admissions during year:															
First admissions	120	100	220	101	88	189	11	10	21	7	2	9	1	-	1
Readmissions	36	25	61	27	15	42	5	8	13	3	-	3	1	2	3
Total admissions	156	125	281	128	103	231	16	18	34	10	-	12	2	2	4
Transfers from other mental hospitals	6	13	19	6	13	19	-	-	-	-	-	-	-	-	-
Total received during year	162	138	300	134	116	250	16	18	34	10	-	12	2	2	4
Total on books during year	717	857	1,574	685	835	1,520	16	18	36	10	2	12	4	2	6
Discharged from books during year:															
As recovered	18	19	37	11	14	25	2	5	7	5	-	5	-	-	-
As improved	28	35	63	22	33	55	6	1	7	-	1	1	-	-	-
As unimproved	3	5	8	1	5	6	1	-	1	1	-	1	-	-	-
As without psychosis	9	13	22	1	2	3	4	9	3	2	1	3	2	1	3
Total discharged to community	58	72	130	35	54	89	13	15	28	8	-	10	2	1	3
Transferred to other mental hospitals	5	30	35	5	30	35	-	-	-	-	-	-	-	-	-
Died during year	59	60	119	56	58	114	1	2	3	2	-	2	-	-	-
Total discharged, transferred and died during year	122	162	284	96	142	238	14	17	31	10	2	12	2	1	3
Patients remaining on books of hospital at end of year:															
In hospital	536	633	1,169	532	631	1,163	2	1	3	-	-	-	2	1	3
On parole or otherwise absent	59	62	121	59	62	121	-	-	-	-	-	-	-	-	-
Total <sup>1</sup>	595	695	1,290	591	693	1,284	2	1	3	-	-	-	2	1	3

\*The total males in the Insane and the Observation groups will not balance through September 30, 1934, owing to the fact that 2 male patients had a C.L.S. during the year from Observation 100 to Court 100.

## SUPPLEMENTARY DATA

	M.	F.	T.
Average daily number of patients on books during year	568.36	693.96	1,262.32
Actually in institution during year	514.04	625.89	1,139.93
In family care	-	1.00	1.00
On visit	-	67.84	107.34
On escape	-	2.42	18.56
Number of patients actually remaining in institution September 30, 1934:			
State	504	533	1,037
Reimbursing	32	100	132
Ex-service patients paid by Federal Government	-	1	1
Number of patients in family care September 30, 1934:— State	-	1	1
Number of non-insane patients in hospital at end of institution year:— Mentally defective	2	3	5

TABLE 3. *Nativity of First Admissions and of Parents of First Admissions*

NATIVITY	PATIENTS			PARENTS OF MALE PATIENTS			PARENTS OF FEMALE PATIENTS		
	M.	F.	T.	Fathers	Mothers	Both Parents	Fathers	Mothers	Both Parents
United States <sup>1</sup>	61	62	123	34	35	30	35	34	29
Austria	1	—	1	1	2	1	1	1	1
Canada <sup>2</sup>	2	6	8	9	11	6	9	9	6
China	1	—	1	1	1	1	—	—	—
Cuba	1	—	1	—	—	—	—	—	—
England	1	2	3	3	3	3	3	2	1
Finland	1	—	1	1	1	1	—	—	—
France	—	1	1	—	—	—	1	1	1
Germany	1	—	1	3	2	2	1	—	—
Greece	2	1	3	3	3	3	1	1	1
Ireland	12	6	18	18	17	16	16	16	14
Italy	4	1	5	6	6	6	2	2	2
Mexico	1	—	1	—	—	—	—	—	—
Poland	1	1	2	2	2	2	—	—	—
Portugal	3	1	4	3	3	3	1	1	1
Russia	2	1	3	3	3	3	4	5	4
Scotland	1	1	2	2	1	1	2	4	2
Spain	—	—	—	2	1	1	—	—	—
Sweden	2	1	3	3	2	2	3	1	1
Switzerland	—	1	1	—	—	—	1	1	1
Turkey in Asia	—	1	1	—	—	—	1	1	1
Turkey in Europe	1	—	1	—	—	—	—	—	—
Wales	—	—	—	1	—	—	—	—	—
Other Countries	3	2	5	4	4	4	3	3	3
Unknown	—	—	—	2	4	2	4	6	3
Total	101	88	189	101	101	87	88	88	71

<sup>1</sup>(Persons born in Hawaii, Porto Rico and the Virgin Islands should be recorded as born in the U. S.)<sup>2</sup>Includes Newfoundland.





TABLE 5. *Citizenship of First Admissions*

	M.	F.	T.
Citizens by birth . . . . .	61	62	123
Citizens by naturalization . . . . .	14	10	24
Aliens . . . . .	22	14	36
Citizenship unknown . . . . .	4	2	6
Total . . . . .	101	88	189

TABLE 6. *Race of First Admissions Classified with Reference to Principal Psychoses*

RACE	Total			With syphilitic meningo-encephalitis			With other forms of syphilis			With epidemic encephalitis			Alcoholic psychoses			Traumatic psychoses		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	3	2	5	—	—	—	—	—	—	—	—	—	2	—	2	—	—	—
Armenian . . . . .	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Chinese . . . . .	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
English . . . . .	18	23	41	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—
Finnish . . . . .	1	—	1	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—
French . . . . .	6	3	9	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
German . . . . .	3	1	4	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Greek . . . . .	3	1	4	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
Hebrew . . . . .	4	4	8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Irish . . . . .	22	20	42	1	—	1	—	—	—	—	—	—	6	2	8	—	—	—
Italian <sup>1</sup> . . . . .	6	3	9	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—
Lithuanian . . . . .	4	3	7	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—
Magyar . . . . .	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Portuguese . . . . .	3	—	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Scandinavian <sup>2</sup> . . . . .	2	2	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Scotch . . . . .	1	2	3	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
Slavonic <sup>3</sup> . . . . .	3	1	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Spanish . . . . .	2	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mixed . . . . .	17	18	35	1	—	1	—	1	1	—	1	1	3	1	4	—	—	—
Race unknown . . . . .	2	3	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total . . . . .	101	88	189	5	—	5	—	1	1	—	1	1	14	3	17	1	—	1

TABLE 6. *Race of First Admissions Classified with Reference to Principal Psychoses — Continued*

RACE	With cerebral arterio-sclerosis			With convulsive disorders (epilepsy)			Senile psychoses			Involuntional psychoses			Due to other metabolic diseases etc.			With organic changes of nervous system		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Armenian . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
English . . . . .	6	4	10	—	—	—	1	3	4	—	2	2	—	1	1	—	1	1
Finnish . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
French . . . . .	2	—	2	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—
German . . . . .	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—
Greek . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hebrew . . . . .	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—	1	—	1
Irish . . . . .	9	3	12	—	1	1	1	2	3	—	3	3	—	—	—	2	—	2
Italian <sup>1</sup> . . . . .	—	—	—	—	—	—	—	—	—	—	1	1	1	—	1	1	—	1
Lithuanian . . . . .	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	1	—	1
Magyar . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Portuguese . . . . .	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—	1	—	1
Scandinavian <sup>2</sup> . . . . .	1	—	1	—	1	1	—	—	—	—	—	—	—	—	—	1	—	1
Scotch . . . . .	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Slavonic <sup>3</sup> . . . . .	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—
Spanish . . . . .	1	—	1	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—
Mixed . . . . .	2	2	4	—	—	—	1	1	2	1	—	1	—	1	1	—	—	—
Race unknown . . . . .	1	1	2	—	—	—	—	2	2	—	—	—	—	—	—	—	—	—
Total . . . . .	23	13	36	1	2	3	5	8	13	3	7	10	2	2	4	7	1	8

<sup>1</sup>Includes "North" and "South".<sup>2</sup>Norwegians, Danes and Swedes.<sup>3</sup>Includes Bohemian, Bosnian, Croatian, Dalmatian, Herzegovinian, Montenegrin, Moravian, Polish, Russian, Ruthenian, Servian, Slovak, Slovenian.

TABLE 6. *Race of First Admissions Classified with Reference to Principal Psychoses — Concluded*

RACE	Psycho-neuroses			Manic-depressive psychoses			Dementia praecox			Paranoia and paranoid conditions			With psychopathic personality			With mental deficiency		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—
Armenian	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1
Chinese	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—
English	1	—	1	4	6	10	3	4	7	2	1	3	—	—	—	—	1	1
Finnish	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
French	—	—	—	—	—	—	1	2	3	—	1	1	—	—	—	1	—	1
German	—	—	—	—	1	1	1	—	1	—	—	—	—	—	—	—	—	—
Greek	—	—	—	1	—	1	1	—	1	—	—	—	1	1	—	—	—	—
Hebrew	—	—	—	1	—	1	—	3	3	—	—	—	—	—	—	1	1	2
Irish	—	—	—	1	2	3	2	7	9	—	—	—	—	—	—	—	—	—
Italian <sup>1</sup>	—	—	—	—	—	—	3	2	5	—	—	—	—	—	—	—	—	—
Lithuanian	—	—	—	—	1	1	3	1	4	—	—	—	—	—	—	—	—	—
Magyar	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—
Portuguese	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—
Scandinavian <sup>2</sup>	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—
Scotch	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Slavonic <sup>3</sup>	—	—	—	—	—	—	2	1	3	—	—	—	—	—	—	—	—	—
Spanish	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mixed	1	—	1	4	2	6	2	5	7	1	2	3	—	—	—	1	2	3
Race unknown	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
Total	2	—	2	12	12	24	20	27	47	3	4	7	—	2	2	3	5	8

<sup>1</sup>Includes 'North' and 'South'.<sup>2</sup>Norwegians, Danes and Swedes.<sup>3</sup>Includes Bohemian, Bosnian, Croatian, Dalmatian, Herzegovinian, Montenegrin, Moravian, Polish, Russian, Ruthenian, Servian, Slovak, Slovenian.TABLE 7. *Age of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			0-14 years			15-19 years			20-24 years			25-29 years		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	5	—	5	—	—	—	—	—	—	—	—	—	—	—	—
With other forms of syphilis	—	1	1	—	—	—	—	—	—	1	1	—	—	—	—
With epidemic encephalitis	—	1	1	—	1	1	—	—	—	—	—	—	—	—	—
Alcoholic psychoses	14	3	17	—	—	—	—	—	—	—	—	—	1	—	1
Traumatic psychoses	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
With cerebral arteriosclerosis	23	13	36	—	—	—	—	—	—	—	—	—	—	—	—
With convulsive disorders (epilpsy)	1	2	3	—	—	—	1	1	—	—	—	—	—	—	—
Senile psychoses	5	8	13	—	—	—	—	—	—	—	—	—	—	—	—
Involutional psychoses	3	7	10	—	—	—	—	—	—	—	—	—	—	—	—
Due to other metabolic diseases, etc.	2	2	4	—	—	—	—	—	—	—	—	—	—	—	—
With organic changes of nervous system	7	1	8	—	—	—	—	—	—	1	—	1	—	—	—
Psychoneuroses	2	—	2	—	—	—	—	—	—	1	—	1	—	—	—
Manic-depressive psychoses	12	12	24	—	—	—	1	1	2	2	4	—	—	—	—
Dementia praecox	20	27	47	—	—	—	1	3	4	3	3	6	4	8	12
Paranoia and paranoid conditions	3	4	7	—	—	—	—	—	—	—	—	—	—	—	—
With psychopathic personality	—	2	2	—	—	—	1	1	—	—	—	—	1	—	1
With mental deficiency	3	5	8	—	—	—	1	1	1	3	4	—	1	—	1
Total	101	88	189	—	1	1	1	7	8	8	9	17	6	9	15

TABLE 7. *Age of First Admissions Classified with Reference to Principal Psychoses — Continued*

PSYCHOSES	30-34 years			35-39 years			40-44 years			45-49 years			50-54 years			55-59 years		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	1	-	1	-	-	-	-	-	-	1	-	1	1	-	1	1	-	1
With other forms of syphilis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With epidemic encephalitis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alcoholic psychoses	3	-	3	2	1	3	1	1	2	1	-	1	1	-	1	1	1	2
Traumatic psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With cerebral arteriosclerosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	2
With convulsive disorders (epilepsy)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Senile psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2
Involuntional psychoses	-	-	-	-	-	-	-	-	-	-	-	-	1	3	4	-	-	-
Due to other metabolic diseases, etc.	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2	-	-	-
With organic changes of nervous system	1	-	1	-	-	-	3	-	3	-	-	-	1	1	2	1	-	1
Psychoneuroses	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Manic-depressive psychoses	2	2	4	-	1	1	-	-	-	3	2	5	2	2	4	2	1	3
Dementia præcox	5	2	7	3	1	4	1	2	3	-	-	-	1	4	5	-	1	1
Paranoia and paranoid conditions	-	-	-	-	-	-	1	1	2	-	1	1	1	1	2	1	1	2
With psychopathic personality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With mental deficiency	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
Total	12	4	16	6	3	9	6	4	10	6	3	9	9	12	21	10	5	15

TABLE 7. *Age of First Admissions Classified with Reference to Principal Psychoses — Concluded*

PSYCHOSES	60-64 years			65-69 years			70-74 years			75-79 years			80-84 years			85 years and over		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With other forms of syphilis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With epidemic encephalitis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alcoholic psychoses	4	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Traumatic psychoses	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
With cerebral arteriosclerosis	1	1	2	7	2	9	9	1	10	4	4	8	-	3	3	-	2	2
With convulsive disorders (epilepsy)	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Senile psychoses	2	-	2	-	-	1	1	-	1	-	2	2	1	2	3	-	4	4
Involuntional psychoses	1	1	2	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-
Due to other metabolic diseases, etc.	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With organic changes of nervous system	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Psychoneuroses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manic-depressive psychoses	1	-	1	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-
Dementia præcox	2	3	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Paranoia and paranoid conditions	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With psychopathic personality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With mental deficiency	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Total	13	7	20	8	5	13	11	1	12	4	7	11	1	5	6	-	6	6

TABLE 8. Degree of Education of First Admissions Classified with Reference to Principal Psychoses

PSYCHOSES	Total			Illiterate		Reads Only		Reads and Writes		Common School		High School		College		Unknown		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis.	5	-	5	-	-	-	-	-	-	2	-	2	3	-	-	-	-	-
With other forms of syphilis	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With epidemic encephalitis	-	1	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Alcoholic psychoses	14	3	17	-	-	-	-	3	-	8	2	10	2	-	-	1	1	2
Traumatic psychoses	1	-	1	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
With cerebral arteriosclerosis	23	13	36	1	1	2	-	1	3	4	13	5	18	4	3	7	4	1
With convulsive disorders (epilepsy).	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Senile psychoses	1	2	3	1	1	1	-	1	1	2	3	4	7	1	2	2	1	1
Involuntary psychoses.	5	3	13	-	-	-	-	-	-	-	2	4	6	-	-	-	-	-
Due to other metabolic diseases, etc.	2	2	4	2	2	2	1	1	1	2	2	1	1	-	-	-	-	-
With organic changes of nervous system	2	2	4	2	2	2	-	-	-	-	4	-	4	-	-	-	-	-
Psychoneuroses	7	1	8	2	-	-	-	-	-	-	-	-	-	1	1	-	-	-
Manic-depressive psychoses	12	12	24	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-
Dementia praecox	20	27	47	1	2	3	-	1	1	2	3	5	8	6	7	13	1	-
Paranoia and paranoid conditions	3	4	7	1	-	1	-	-	-	-	11	13	24	5	11	16	2	-
With psychopathic personality	-	-	-	-	-	-	-	-	-	-	1	4	5	1	-	1	1	-
With mental deficiency	3	5	8	2	3	5	1	-	1	-	-	1	1	-	-	-	-	-
Total	101	88	189	10	8	18	2	-	2	8	7	15	48	42	90	24	27	51
																3	-	3
																	6	4
																	10	





TABLE 10. *Economic Condition of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			Dependent			Marginal			Comfortable			Unknown		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	5	—	5	2	—	2	3	—	3	—	—	—	—	—	—
With other forms of syphilis	—	1	1	—	—	—	—	1	1	—	—	—	—	—	—
With epidemic encephalitis	—	1	1	—	—	—	—	1	1	—	—	—	—	—	—
Alcoholic psychoses	14	3	17	2	1	3	11	2	13	1	—	1	—	—	—
Traumatic psychoses	1	—	1	—	—	—	1	—	1	—	—	—	—	—	—
With cerebral arteriosclerosis	23	13	36	10	5	15	7	6	13	6	1	7	—	1	1
With convulsive disorders (epilepsy)	1	2	3	1	—	1	—	2	2	—	—	—	—	—	—
Senile psychoses	5	8	13	2	2	4	3	4	7	—	1	1	—	1	1
Involuntional psychoses	3	7	10	1	1	2	2	4	6	—	2	2	—	—	—
Due to other metabolic diseases, etc.	2	2	4	—	—	—	2	1	3	—	—	—	—	1	1
With organic changes of nervous system	7	1	8	2	—	2	5	—	5	—	1	1	—	—	—
Psychoneuroses	2	—	2	—	—	—	2	—	2	—	—	—	—	—	—
Manic-depressive psychoses	12	12	24	1	1	2	10	8	18	1	3	4	—	—	—
Dementia praecox	20	27	47	3	5	8	12	21	33	5	1	6	—	—	—
Paranoia and paranoid condition	3	4	7	1	—	1	2	2	4	—	2	2	—	—	—
With psychopathic personality	—	2	2	—	—	—	—	2	2	—	—	—	—	—	—
With mental deficiency	3	5	8	1	3	4	2	2	4	—	—	—	—	—	—
Total	101	88	189	26	18	44	62	56	118	13	11	24	—	3	3

TABLE 11. *Use of Alcohol by First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			Abstinent			Temperate			Intemperate			Unknown		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	5	—	5	—	—	—	4	—	4	1	—	1	—	—	—
With other forms of syphilis	—	1	1	—	1	1	—	—	—	—	—	—	—	—	—
With epidemic encephalitis	—	1	1	—	1	1	—	—	—	—	—	—	—	—	—
Alcoholic psychoses	14	3	17	—	—	—	—	—	—	14	3	17	—	—	—
Traumatic psychoses	1	—	1	—	—	—	—	—	—	1	—	1	—	—	—
With cerebral arteriosclerosis	23	13	36	9	11	20	8	—	8	6	—	6	—	2	2
With convulsive disorders (epilepsy)	1	2	3	—	2	2	1	—	1	—	—	—	—	—	—
Senile psychoses	5	8	13	2	6	8	2	—	2	1	1	2	—	1	1
Involuntional psychoses	3	7	10	—	7	7	3	—	3	—	—	—	—	—	—
Due to other metabolic diseases, etc.	2	2	4	—	1	1	1	—	1	1	—	1	—	1	1
With organic changes of nervous system	7	1	8	—	1	1	7	—	7	—	—	—	—	—	—
Psychoneuroses	2	—	2	1	—	1	—	—	—	1	—	1	—	—	—
Manic-depressive psychoses	12	12	24	5	10	15	5	1	6	2	1	3	—	—	—
Dementia praecox	20	27	47	10	22	32	7	4	11	2	—	2	1	1	2
Paranoia and paranoid conditions	3	4	7	1	2	3	1	2	3	1	—	1	—	—	—
With psychopathic personality	—	2	2	—	—	—	—	2	2	—	—	—	—	—	—
With mental deficiency	3	5	8	3	5	8	—	—	—	—	—	—	—	—	—
Total	101	88	189	31	69	100	39	9	48	30	5	35	1	5	6

TABLE 12. *Marital Condition of First Admissions Classified to Principal Psychoses*

PSYCHOSES	Total			Single			Married			Widowed			Divorced			Separated		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	5	-	5	2	-	2	2	-	2	-	-	-	1	-	1	-	-	-
With other forms of syphilis	-	1	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
With epidemic encephalitis	-	1	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Alcoholic psychoses	14	3	17	9	-	9	3	2	5	1	1	2	-	-	-	1	-	1
Traumatic psychoses	1	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
With cerebral arteriosclerosis	23	13	36	7	1	8	5	4	9	-	-	-	1	-	1	-	-	-
With convulsive disorders (epilepsy)	1	2	3	1	2	3	-	-	-	-	-	-	-	-	-	-	-	-
Senile psychoses	1	8	9	2	1	3	3	-	3	-	-	-	-	-	-	-	-	-
Involutional psychoses	3	5	8	2	1	3	2	2	4	-	-	-	-	-	-	-	-	-
Due to other metabolic diseases, etc.	2	2	4	-	-	-	1	1	2	-	-	-	-	-	-	-	-	-
With organic changes of nervous system	7	7	14	2	2	4	5	1	6	-	-	-	-	-	-	-	-	-
Psychoneuroses	2	1	3	1	-	1	-	-	-	-	-	-	1	-	1	-	-	-
Manic-depressive psychoses	12	12	24	4	6	10	6	6	12	-	-	-	1	-	1	-	-	-
Dementia praecox	20	27	47	16	18	34	4	7	11	-	-	-	1	-	1	-	-	-
Paranoia and paranoid conditions	3	4	7	-	-	-	2	3	5	-	-	-	1	-	1	-	-	-
With psychopathic personality	-	2	2	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
With mental deficiency	3	5	8	3	5	8	-	-	-	-	-	-	-	-	-	-	-	-
Total	101	88	189	48	39	87	34	27	61	13	22	35	5	-	5	1	-	1

TABLE 13. *Mental Disorders of All Admissions, All Discharges, All Deaths, 1934, All Cases in Residence and All Cases Out on September 30, 1934, by Status of Admissions and Sex*

MENTAL DISORDERS	ALL ADMISSIONS <sup>1</sup>			ALL DISCHARGES <sup>1</sup>			ALL DEATHS		RESIDENT POPULATION			PATIENTS OUT ON VISIT, ETC					
	First Admissions	Read-missions		First Admissions	Read-missions		First Admissions	Read-missions	First Admissions	Read-missions		First Admissions	Read-missions				
	M. F. T.	M. F. T.		M. F. T.	M. F. T.		M. F. T.	M. F. T.	M. F. T.	M. F. T.		M. F. T.	M. F. T.	M. F. T.			
<i>Psychoses Due to or Associated with Infection:</i>																	
Syphilis of the Central Nervous System:																	
Meningo-encephalitic type (general paresis)	6	6	1	1	1	1	11	3	18	7	25	14	6	20	1	1	1
Meningo-vascular type (cerebral syphilis)	1	1	1	1	1	1	1	1	8	1	9	2	2	2	1	1	1
With intracranial gumma	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
With epidemic encephalitis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
With other infectious disease	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
<i>Psychoses Due to Intoxication:</i>																	
Due to Alcohol:																	
Pathological intoxication	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Delirium tremens	1	1	2	2	2	2	2	2	1	1	6	2	2	2	2	2	2
Korsakow's psychosis	7	2	9	4	2	6	1	1	15	1	16	8	3	11	1	1	1
Acute hallucinosis	6	1	7	2	2	2	1	1	29	3	32	8	3	11	5	5	1
Other types																	
Due to Drugs or Other Exogenous Poisons:																	
Due to gases	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Due to other drugs				1	1	2											
Due to other poisons																	
<i>Psychoses Due to Trauma:</i>																	
Traumatic delirium	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Post-traumatic mental deterioration																	
<i>Psychoses Due to Disturbance of Circulation:</i>																	
With cerebral arteriosclerosis	25	13	38	1	1	3	2	5	21	12	33	1	1	3	3	3	3
With cardio-renal disease	1	1	1	1	1	1	1	1									
<i>Psychoses Due to Convulsive Disorders (Epilepsy):</i>																	
Epileptic deterioration	1	1	2	1	1	1	1	1	1	1	1	3	5	8	3	2	5
Epileptic clouded states	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	3	3



<i>Psychoses Due to Disturbances of Metabolism, Growth, Nutrition or Endocrine Function:</i>														
<i>Senile psychoses:</i>														
Simple deterioration . . . . .	5	8	13	-	1	1	-	1	1	-	-	-	-	-
Presbyoprenic type . . . . .	-	1	1	-	-	-	-	-	-	-	-	-	-	-
Delirious and confused types . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Depressed and agitated types . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Paranoid types . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Involutional psychoses:</i>														
Melancholia . . . . .	3	7	10	-	1	1	1	4	5	-	1	1	13	14
With diseases of the endocrine glands . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alzheimer's disease . . . . .	1	-	1	-	-	-	-	-	-	-	-	1	1	1
With pellagra . . . . .	-	-	-	-	-	-	-	-	-	-	-	1	1	1
With other somatic diseases . . . . .	2	3	5	-	-	-	-	-	-	-	-	3	-	3
<i>Psychoses Due to New Growth:</i>														
With other neoplasms . . . . .	-	1	1	-	-	-	-	-	-	-	-	-	-	-
<i>Psychoses Due to Unknown or Hereditary Causes, but Associated with Organic Changes:</i>														
With multiple sclerosis . . . . .	1	-	1	-	-	-	-	-	-	-	-	2	1	3
With other brain or nervous diseases . . . . .	7	1	8	-	1	1	2	-	2	-	-	11	8	19
<i>Disorders of Psychogenic Origin or Without Clearly Defined Tangible Cause or Structural Change:</i>														
<i>Psychoneuroses:</i>														
Conversion hysteria:														
Mixed hysterical psychoneurosis . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Psychasthenia or compulsive states:														
Obsession . . . . .	1	1	2	-	-	-	-	-	1	1	-	1	2	3
Neurasthenia . . . . .	1	-	1	-	-	-	-	-	-	-	-	2	1	3
Hypochondriasis . . . . .	-	-	-	-	-	-	-	-	-	-	-	1	1	-
Reactive depression . . . . .	-	2	2	-	1	1	-	1	1	-	-	-	-	-
Anxiety state . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mixed psychoneurosis . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Manic-depressive psychoses:</i>														
Manic type . . . . .	5	7	12	9	6	15	3	3	6	2	6	8	22	44
Depressive type . . . . .	8	5	13	3	2	5	2	3	5	-	2	3	8	16
Mixed type . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	1	1
Periplexed type . . . . .	2	1	3	-	-	1	1	-	1	-	-	-	-	-
<i>Dementia praecox (schizophrenia):</i>														
Simple type . . . . .	1	1	2	1	-	3	-	-	-	1	1	7	8	15
Hebephrenic type . . . . .	5	7	12	3	3	6	7	2	9	1	4	61	62	123
Catatonic type . . . . .	-	-	-	-	-	-	-	-	-	-	-	20	37	57
Paranoid type . . . . .	8	12	20	4	2	6	2	3	5	1	3	57	86	143
Other types . . . . .	-	2	-	-	-	-	-	-	-	-	-	-	3	3

11	19	30	-	2	2	-	2	2	-	2	-	2	-	-
-	2	2	-	-	-	-	-	-	-	-	-	-	-	-
-	2	2	-	-	-	-	-	-	-	-	-	-	-	-
-	3	3	-	-	-	-	-	-	-	-	-	-	-	-
7	13	20	1	13	14	1	6	7	-	-	-	-	-	-
-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
3	-	3	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	1	3	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	1	3	-	-	-	-	-	-	-	-	-	-	-	-
11	8	19	2	4	6	1	1	-	1	-	1	-	1	1
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	1	2	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	1	2	-	-	-	-	-	-	-	-	-	-	-	-
2	1	3	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	13	23	22	22	44	4	9	13	5	4	9	-	-	-
18	17	35	8	8	16	7	5	12	2	-	-	-	-	-
-	-	-	1	1	2	-	-	-	-	-	-	-	-	-
-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
7	8	15	3	4	7	1	-	1	-	1	-	1	-	-
61	62	123	75	98	173	5	10	15	3	-	-	-	-	-
20	37	57	15	19	34	6	2	8	1	2	3	-	-	-
57	86	143	20	43	63	2	5	7	2	1	2	-	-	-
-	3	3	-	-	1	1	-	-	-	-	-	-	-	-



TABLE 14. *Discharges of Patients Classified with Reference to Principal Psychoses and Condition on Discharge*

PSYCHOSES	Total			Recovered			Improved			Unimproved		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis . . . . .	1	1	2	—	—	—	1	1	2	—	—	—
Alcoholic psychoses . . . . .	8	1	9	4	—	4	4	1	5	—	—	—
Due to drugs, etc. . . . .	1	1	2	1	—	1	—	1	1	—	—	—
With cerebral arteriosclerosis . . . . .	2	2	4	—	—	—	2	2	4	—	—	—
With convulsive disorders (epilepsy) . . . . .	—	1	1	—	—	—	—	1	1	—	—	—
Senile psychoses . . . . .	—	1	1	—	—	—	—	—	—	—	1	1
Involuntional psychoses . . . . .	1	5	6	—	2	2	1	3	4	†	—	—
Due to other metabolic diseases, etc. . . . .	—	3	3	—	3	3	—	—	—	—	—	—
With organic changes of nervous system . . . . .	1	—	1	—	—	—	1	—	1	—	—	—
Psychoneuroses . . . . .	—	4	4	—	—	—	—	4	4	—	—	—
Manic-depressive psychoses . . . . .	6	14	20	3	6	9	3	7	10	—	1	1
Dementia praecox . . . . .	12	11	23	3	1	4	8	10	18	1	—	1
Paranoia and paranoid conditions . . . . .	1	1	2	—	—	—	1	1	2	—	—	—
With psychopathic personality . . . . .	—	2	2	—	—	—	—	1	1	—	1	1
With mental deficiency . . . . .	1	5	6	—	2	2	1	1	2	—	2	2
Without psychoses . . . . .	1	2	3	—	—	—	—	—	—	—	—	—
Total . . . . .	35	54	89	11	14	25	22	33	55	1	5	6

TABLE 15. *Hospital Residence during This Admission of Court First Admissions Discharged during 1934*

PSYCHOSES	Number			Average Net Hospital Residence in Years		
	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis . . . . .	—	1	1	—	.37	.37
Alcoholic psychoses . . . . .	8	1	9	.53	.20	.49
Due to drugs, etc. . . . .	1	1	2	.29	.29	.29
With cerebral arteriosclerosis . . . . .	2	2	4	.38	.58	.48
Senile psychoses . . . . .	—	1	1	—	.12	.12
Involuntional psychoses . . . . .	1	4	5	1.50	2.22	2.07
Due to other metabolic diseases, etc. . . . .	—	3	3	—	.29	.29
With organic changes of nervous system . . . . .	1	—	1	.20	—	.20
Psychoneuroses . . . . .	—	3	3	—	.46	.46
Manic-depressive psychoses . . . . .	5	6	11	1.05	.54	.77
Dementia praecox . . . . .	11	6	17	.65	1.69	1.01
Paranoia and paranoid conditions . . . . .	1	1	2	4.50	.62	2.56
With psychopathic personality . . . . .	—	2	2	—	.63	.63
With mental deficiency . . . . .	1	4	5	.12	5.19	4.17
Without psychoses . . . . .	1	1	2	.12	.54	.33
Total . . . . .	32	36	68	.75	1.38	1.09

TABLE 16. Causes of Death of Patients Classified with Reference to Principal Mental Disorders

CAUSES OF DEATH	Total			With syphilitic meningoencephalitis			Alcoholic psychoses			With cerebral arteriosclerosis			With convulsive disorders (epilepsy)			Senile psychoses		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
<i>Infectious and Parasitic Diseases:</i>																		
Tuberculosis of the meninges . . . . .		1	1															
Tuberculosis of the respiratory system . . . . .	2	4	6					1	1									
<i>Cancer and Other Tumors:</i>																		
Cancer and other malignant tumors . . . . .	1	4	5							1	1	2						
Tumor (non-cancerous) . . . . .	1	—	1															
<i>Rheumatic Diseases, Nutritional Diseases, Diseases of the Endocrine Glands and Other General Diseases:</i>																		
Diabetes . . . . .	2	1	3							2	—	2						
<i>Diseases of the Nervous System and Organs of Special Sense:</i>																		
Progressive locomotor ataxia (tabes dorsalis) . . . . .	—	1	1															
Cerebral hemorrhage . . . . .	1	5	6							—	2	2				2	2	
Cerebral embolism and thrombosis . . . . .	1	—	1							1	—	1						
General paralysis of the insane . . . . .	9	—	9	9	9	9												
<i>Diseases of the Circulatory System:</i>																		
Chronic endocarditis (valvular disease) . . . . .	—	2	2															
Diseases of the myocardium . . . . .	8	11	19					1	1	2	5	3	8			1	4	5
Diseases of the coronary arteries and angina pectoris . . . . .	—	1	1															
Other diseases of the heart . . . . .	11	11	22					1	1	—	2	2	1	1				
Arteriosclerosis . . . . .	18	8	26							10	3	13				4	3	7
Other diseases of the arteries . . . . .	1	1	2							1	1	2						
<i>Diseases of the Respiratory System:</i>																		
Bronchopneumonia (including capillary bronchitis) . . . . .	4	6	10							1	—	1				1	1	2
Lobar pneumonia . . . . .	4	—	4					1	—	1	—	—	1	—	1	—	—	—
<i>Diseases of the Digestive System:</i>																		
Other diseases of the stomach (cancer excepted) . . . . .	1	—	1					1	—	1	—	—						
Cirrhosis of the liver . . . . .	1	—	1															
<i>Diseases of the Genito-Urinary System:</i>																		
Nephritis (acute, chronic and unspecified) . . . . .	1	1	2														1	1
<i>Diseases of the Skin and Cellular Tissue:</i>																		
Violent and Accidental Deaths:																		
Other external causes . . . . .	1	—	1															
Total . . . . .	56	58	114	9	—	9	4	3	7	21	12	33	1	1	2	6	11	17



TABLE 16. Causes of Death of Patients Classified with Reference to Principal Mental Disorders — Concluded

CAUSES OF DEATH	Involuntary psychoses		Due to other metabolic diseases, etc.		With organic changes of nervous system		Manic-depressive psychoses		Dementia praecox		With mental deficiency		Without psychoses		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
<i>Infectious and Parasitic Diseases:</i>															
Tuberculosis of the meninges		1	1												
Tuberculosis of the respiratory system.															
<i>Cancer and Other Tumors:</i>															
Cancer and other malignant tumors					1	1						1	1		
Tumor (non-cancerous)						1	1								
<i>Rheumatic Diseases, Nutritional Diseases, Diseases of the Endocrine Glands, and General Diseases:</i>															
Diabetes											1	1			
<i>Diseases of the Nervous System and Organs of Special Sense:</i>															
Progressive locomotor ataxia (tabes dorsalis)						1	1								
Cerebral hemorrhage										1	1	2			
Cerebral embolism and thrombosis															
General paralysis of the insane															
<i>Diseases of the Circulatory System:</i>															
Chronic endocarditis (valvular disease)					1	1					1	1			
Diseases of the myocardium	1	1						2	2		1	1			
Diseases of the coronary arteries and angina pectoris								1							
Other diseases of the heart		2	2		1	1		3	3		1	1	2		
Arteriosclerosis						3	3								
Other diseases of the arteries															
<i>Diseases of the Respiratory System:</i>															
Bronchopneumonia (including capillary bronchitis)						1	1		1	1	3	4		1	1
Lobar pneumonia										1	1			1	1
<i>Diseases of the Digestive System:</i>															
Other diseases of the stomach (cancer excepted)										1		1			
Cirrhosis of the liver															
<i>Diseases of the Genito-Urinary System:</i>															
Nephritis (acute, chronic and unspecified)													1		1
<i>Diseases of the Skin and Cellular Tissue:</i>			1	1											
<i>Violent and Accidental Deaths:</i>															
Other external causes											1	1			
Total	1	4	5		3	3	5	1	6	6	13	19	2	2	4



TABLE 18. Total Duration of Hospital Life of Patients Dying in Hospital Classified According to Principal Psychoses

PSYCHOSES	Total		Less than 1 month		1-3 months		4-7 months		8-12 months		1-2 years		3-4 years	
	M.	F.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	9	9	-	-	2	-	-	2	-	-	4	-	-	-
Alcoholic psychoses	4	3	-	-	2	-	-	2	-	-	1	-	-	-
With cerebral arteriosclerosis	21	12	6	3	9	5	11	16	1	1	2	1	1	2
With convulsive disorders (epilepsy)	1	1	-	-	2	1	1	2	-	-	-	-	-	-
Senile psychoses	6	11	-	-	2	2	2	4	1	1	2	-	-	3
Involutional psychoses	1	4	-	-	-	-	-	-	1	1	2	3	5	3
Due to other metabolic diseases, etc.	1	3	-	-	-	-	-	-	-	-	-	1	1	-
With organic changes of nervous system	5	1	1	1	2	-	-	-	-	-	-	-	-	-
Manic-depressive psychoses	1	6	1	1	2	-	-	-	2	2	4	1	1	1
Dementia praecox	6	13	-	-	-	-	-	-	1	1	2	-	-	-
With mental deficiency	2	2	-	-	-	-	-	-	-	-	-	-	-	-
Without psychoses	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Total	56	58	7	7	14	10	9	19	4	1	5	11	7	18

PSYCHOSES	5-6 years		7-8 years		9-10 years		11-12 years		13-14 years		15-19 years		20 years and over	
	M.	F.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	2	2	-	-	-	-	-	-	1	-	1	-	-	-
Alcoholic psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With cerebral arteriosclerosis	2	2	-	1	1	-	-	-	-	-	-	-	1	1
With convulsive disorders (epilepsy)	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Senile psychoses	-	-	1	1	2	-	-	-	-	-	-	-	-	-
Involutional psychoses	-	-	-	-	-	-	-	-	-	-	1	1	-	-
Due to other metabolic diseases, etc.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With organic changes of nervous system	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manic-depressive psychoses	-	1	1	1	2	-	-	-	-	-	-	-	-	-
Dementia praecox	-	3	1	2	3	2	1	3	-	1	3	3	2	2
With mental deficiency	1	1	-	-	-	-	-	-	-	-	-	-	1	1
Without psychoses	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Total	5	4	2	7	9	3	4	7	1	1	2	-	6	5

TABLE 19. *Average Length of Hospital Residence during the Present Admission of All First Admission Cases in Residence on September 30, 1934*

PSYCHOSES	Number			Average Net Hospital Residence in Years		
	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis . . . . .	18	7	25	5.83	3.93	5.29
With other forms of syphilis . . . . .	9	1	10	5.17	.45	4.69
With epidemic encephalitis . . . . .	—	1	1	—	.45	.45
Alcoholic psychoses . . . . .	50	5	55	6.17	5.68	6.12
Traumatic psychoses . . . . .	2	—	2	2.48	—	2.48
With cerebral arteriosclerosis . . . . .	20	19	39	1.83	3.49	2.64
With convulsive disorders (epilepsy) . . . . .	4	6	10	2.99	6.16	4.89
Senile psychoses . . . . .	11	26	37	5.12	4.34	4.57
Involuntary psychoses . . . . .	7	13	20	1.48	3.09	2.53
Due to other metabolic diseases, etc. . . . .	5	1	6	2.07	7.50	2.98
With organic changes of nervous system . . . . .	13	9	22	4.33	3.94	4.17
Psychoneuroses . . . . .	3	3	6	2.80	6.50	4.65
Manic-depressive psychoses . . . . .	28	31	59	5.48	4.19	3.86
Dementia praecox . . . . .	145	196	341	7.13	6.97	7.10
Paranoia and paranoid conditions . . . . .	8	16	24	5.36	2.67	3.57
With psychopathic personality . . . . .	4	8	12	7.00	5.37	5.91
With mental deficiency . . . . .	11	32	43	7.12	6.40	6.58
Without psychoses . . . . .	1	2	3	.45	2.00	1.48
Total . . . . .	339	376	715	5.77	5.76	5.77

TABLE 19A. *Average Length of Hospital Residence during the Present Admission of All Readmission Cases in Residence on September 30, 1934*

PSYCHOSES	Number			Average Net Hospital Residence in Years		
	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis . . . . .	14	6	20	6.85	6.15	6.64
With other forms of syphilis . . . . .	2	—	2	7.50	—	7.50
With epidemic encephalitis . . . . .	1	—	1	.45	—	.45
Alcoholic psychoses . . . . .	10	3	13	14.50	12.50	14.04
With cerebral arteriosclerosis . . . . .	2	1	3	3.98	2.50	3.48
With convulsive disorders (epilepsy) . . . . .	6	2	8	3.49	3.50	3.49
Senile psychoses . . . . .	—	4	4	—	5.49	5.49
Involuntary psychoses . . . . .	1	13	14	.45	7.38	6.89
Due to other metabolic diseases, etc. . . . .	—	2	2	—	17.50	17.50
With organic changes of nervous system . . . . .	2	4	6	5.00	6.25	5.83
Psychoneuroses . . . . .	—	1	1	—	7.50	7.50
Manic-depressive psychoses . . . . .	31	31	62	5.58	7.23	6.41
Dementia praecox . . . . .	113	165	278	11.65	11.71	11.68
Paranoia and paranoid conditions . . . . .	3	10	13	7.50	6.80	6.96
With psychopathic personality . . . . .	1	5	6	7.50	6.30	6.50
With mental deficiency . . . . .	10	9	19	9.80	11.61	10.66
Without psychoses . . . . .	1	1	2	27.50	7.50	17.50
Total . . . . .	197	257	454	9.85	10.26	10.09

TABLE 20. *Family Care Statistics for Year Ended September 30, 1934*

	Males	Females	Total
Remaining in Family Care September 30, 1933 . . . . .	—	—	—
On Visit from Family Care September 30, 1933 . . . . .	—	—	—
Admitted to Family Care during the Year . . . . .	—	1	1
Whole Number of Cases within the Year . . . . .	—	—	—
Discharged from Family Care within the Year . . . . .	—	—	—
Remaining in Family Care September 30, 1934 . . . . .	—	1	1
On Visit from Family Care September 30, 1934 . . . . .	—	1	1
Average Daily Number in Family Care During Year: . . . . .	—	1	1
Private . . . . .	—	1	1



The Commonwealth of Massachusetts

44th

ANNUAL REPORT

OF THE

TRUSTEES

OF THE

Mass: ↑  
FOXBOROUGH STATE HOSPITAL (Insane)

FOR THE

YEAR ENDING NOVEMBER 30,

1935

DEPARTMENT OF MENTAL DISEASES



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DEPARTMENT OF MENTAL DISEASES  
GARDNER STATE HOSPITAL  
EAST GARDNER, MASS.

1937

# FOXBOROUGH STATE HOSPITAL

(Post Office Address: Foxborough, Mass.)

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MISS ILA P. JACKSON, R.N., *Superintendent of Nurses and Principal of Training School*.  
MR. ALBERT D. KELLY, *Chief Male Supervisor*.

## TRUSTEES' REPORT

*To His Excellency the Governor and the Honorable Council:*

The Trustees of the Foxborough State Hospital have the honor to submit herewith their forty-fourth Annual Report covering the year ended November 30, 1935.

The Board maintained a close contact with the activities of the hospital throughout the year. The meetings were held regularly and were attended by a majority of the members.

Outstanding during the year was the continuation of work already begun on several projects under the Public Works Administration and the starting of the work of enlarging the power house and the installation of new boilers and machinery. The laundry building was completed in the early fall. Arrangements are now being made for the removal of the equipment from the old building and the installation of additional equipment to make possible the operation of the plant in such a way as to meet the needs of the institution. The Assembly Building is now nearing completion and it is expected that it will be furnished and in use by the first of the coming year. The work has continued on the enlargement of the day spaces and the building for tubercular patients, but will probably not be furnished and ready for occupancy until late in the coming spring. The work of the remodeling the power plant was begun in July and will be continued throughout the year. The present condition of the boilers, which have been in use for many years, is such that it is felt that the work should be proceeded with without delay, especially as the heating of the additional buildings has made further demands on the power plant.

The only special appropriations granted in the current year were for the installation of a hydrotherapeutic suite and a sprinkler system in four of the ward buildings and additional sewer beds, the last mentioned being a Public Works Administra-

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tion project. We are now proceeding with this work in accordance with original plans. A careful survey of the needs of the institution has resulted in the working out of a formal plan for its further development and it is felt that in this way various items can be requested in accordance with the actual needs of the institution incidental to its gradual increase in patient population. Among the outstanding things included in the budget of the Superintendent for the coming year are new outside window guards for the outside windows of wards A, B, C, D and E; the completion of the sprinkler system in certain buildings; root cellar and vegetable storage; new employees' home; the remodeling and fire-proofing of Building O with additions to care for disturbed patients; alterations to the cow barn at the Colony Farm; purchase of certain parcels of land needed to eliminate danger to the patients because of the public highways going through the hospitals grounds, and to provide a suitable place for the erection of a piggery at the Colony Farm.

Detailed statements of the administration of the hospital will be found in sub-joined reports of the Superintendent and Treasurer.

Respectfully submitted,

CHARLES A. LITTLEFIELD, *Chairman*  
JEANNETTE C. CHISHOLM  
CLAIRE C. GURNEY

BENNET B. BRISTOL  
THOMAS J. SCANLAN  
WILLIAM H. BANNON  
*Trustees.*

### SUPERINTENDENT'S REPORT

*To the Trustees of the Foxborough State Hospital:*

The forty-fourth annual report of the Superintendent of the Foxborough State Hospital for the year ending November 30, 1935 is herewith respectfully submitted. The statistical tables contained herein are for the year ending September 30, 1935.

#### MOVEMENT OF POPULATION

On September 30, 1935 the census of the hospital was as follows: On the wards, men 569; women, 680; total, 1,249; on parole or otherwise absent, men, 49; women, 42; total, 91. The total number of patients in the care of the hospital was 1,340 of whom 618 were men and 722 were women.

On October 1, 1934 there were on the books of the hospital 595 men, 695 women, total, 1,290. First admission by Regular Court Commitment as insane 114 men, 87 women; for Temporary Care, 8 men, 0 women; for Observation Care 19 men, 8 women. The total of all first admission was 141 men, 95 women. Readmissions, by Regular Court Commitment, 10 men, 29 women; by Voluntary Commitment, 1 man, 1 woman; for Temporary Care, 5 men, 2 women; for Observation Care, 6 men, 3 women. Total of all readmission was 28 men, 43 women. Transfers from other Hospitals for Mental Diseases, by Regular Court Commitment, 6 men, 8 women. Total of all transfers was 14.

There was a total of 308 patients received during the year.

The average daily number of ex-service patients was, men, 32.917, women 1.000; total, 33.917.

In the final section of this report there is complete information concerning the movement of population and statistical tables as adopted by the American Psychiatric Association, prescribed by the Massachusetts Department of Mental Diseases.

#### MEDICAL SERVICE

There were no changes in the personnel of this division during the year. Conferences were held daily, except Sundays and holidays, at which each new admission to the hospital was presented and discussed. All cases going on trial visit were likewise given consideration.

The Medical Staff held frequent round table discussions at which Dr. David Rothschild, Director of Clinical Research, gave a number of interesting talks on the work of the laboratory and in Neuropathology and at which Dr. Gaylord P. Coon, also a member of the medical staff, gave a series of talks on the Psychopathology of Every Day Life.

We have continued to carry on insofar as possible our research work in the hospital, in which several members of the staff have taken an active part.



### EMPLOYEES

On August 1st the quota was raised from 233 to 298. This addition to the personnel became necessary because of the enactment of a law which limits employment to a total of forty-eight hours per week in certain positions. Owing to the fact that no living quarters were available at the institution those filling the additional positions had to secure accommodations in nearby towns. During the year a total of 102 left the service and a total of 166 joined the service. The general health of all employees was considered average. There were no serious epidemics during the year. A number of employees sustained accidental injuries which were reported to the Department of Industrial Accidents.

### HEALTH OF PATIENT POPULATION

We were fortunate during the year in having no more than the usual amount of sickness. Major operations were performed by the following members of the visiting staff:—Dr. Thomas J. Scanlan, Dr. Laurence J. Louis, Dr. William McDonald, Dr. William J. Haley, Dr. J. J. Whoriskey, Dr. Russell J. Sullivan and Dr. Charles B. Gillon. Members of the resident staff administered all general anaesthesia and performed all minor surgery. Routine vaccination was given against typhoid fever and smallpox. There were 132 lumbar punctures, 67 persons received a total of 693 intravenous and 529 intramuscular injections during courses of antisyphilitic cases. Work in Blood Chemistry was done on 330 patients and 20 employees, and test for Basal Metabolism Rates were given to 40 patients and 6 employees.

### WARD CHANGES AND ADDITIONS

The additional space provided by the widening of the day spaces of six of the wards for male patients and the building of open porches on those wards has greatly facilitated the care of patients in those wards. Furnishings as part of the same P.W.A. project are now on order and will add greatly to the appearance of the wards and comfort of the patients.

### STAFF CONFERENCES

At the staff conferences, held every day except Sunday, a great deal of time was devoted to clinical examination, with study and discussion of newly admitted cases, especially the rather large number sent for observation and admitted under temporary care. Special consideration was given to the treatment and community care of cases presenting unusual problems.

### PHYSIOTHERAPY AND X-RAY

The work of this department has been carried on by Miss Mary Villone. The total number of treatments given was 1,315, as follows:—Baking, 603; massage, 432; Ultra Violet Ray (air cooled), 74; dessication, 21; corrective exercise, 92; total, 1,315. Number of men patients treated, 22; women, 26; employees, 20; total, 68.

X-ray:—Individuals worked on, 402; films for general work, 938; dental, 65.

### HYDROTHERAPY

Miss Florence McDonald and Mr. Carl M. Pease have continued in charge of hydrotherapy. An appropriation has been granted for the installation of additional equipment which when in operation will help greatly in the sedative treatment of the women patients of the continued treatment type. The need for this has been felt very keenly. Lectures and practical work have been given to students of the training school and to the attendant nurses. Treatments were as follows:

	Men	Women
Number of patients given wet-sheet packs . . . . .	158	79
Number of packs administered . . . . .	712	751
Number of hours of treatment given in wet-sheet packs . . . . .	2,538.30	2,953
Number of patients given continuous baths . . . . .	111	136
Number of bath treatments given . . . . .	999	1,798
Number of hours of continuous bath treatments given . . . . .	7,588.8	10,326
Number of tonic bath treatments . . . . .	1,733	8,111



## OCCUPATIONAL THERAPY

During the current year the activities of this department have continued under the direction of Miss Mildred F. Stuart. This department has continued with its customary program of therapeutic activities, consisting of classes on the wards for those patients unable to leave the ward, classes in the Occupational Therapy Shop for those able to do more advanced work, and recreational activities for not only patients directly connected with the Department, but those in industry throughout the hospital. Games and dances have been frequent and well attended.

At Christmas time a play was given with the help of several staff members, patients helping with the scenery and properties. Carol singing by the patients proved very successful and was a major part of the holiday activities. Foreign carols as well as the more familiar ones were sung on Christmas eve in the chapel and later the entire group sang carols out of doors, stopping at each ward. Refreshments were served at the end of the evening.

Considerable spirit was shown in game competition, the finals of which were played off during the holiday week, including pool, cribbage, ping-pong, checkers and dominoes.

The hospital library has increased its circulation during the year, the record being 1,026 in March. Many new books have been added during the year, the total number of volumes now exceeding 2,000.

Attention was given especially to classes on wards during the winter months featuring particularly work with the more disturbed group along the lines of games and physical exercise.

Various articles were manufactured by the patients as part of the therapeutic work, as shown in the following list: — 5 book cases, 4 foot stools, 1 plant stand, 1 waste basket, 1 shoe rack, 1 dictionary stand, 3 pair book ends, 2 wall brackets, 30 pair curtains with valances and tie backs, 22 valances and 44 tie backs, 30 pair blocks printed, 8 doz. doilies, 22 doz. dish towels, 89 doz. hand towels, 5 doz. pillows, 1 lamp shade, 19½ doz. runners for table and bureau, 6 woven runners, 5 doz. knitted and crocheted shawls, 6 doz. face cloths, 3½ doz. woven rugs, 3½ doz. braided rugs, 14 wall hangings, 1 couch cover, 5 table covers, 2 doz. tray clothes.

## WOMEN'S INDUSTRIAL

This continues to be one of the outstanding industrial activities of the hospital. In addition to making up of all the bed linen, table linen and household articles nearly all of the cotton clothing worn by both the men and women patients is manufactured. Besides this all the mending is done. The following is a list of the articles produced: — 26 doz. aprons, 15½ doz. belts, 2 doz. bibs, 42 2/3 doz. bed gowns, 6¾ doz. bed jackets, 10½ doz. tea bags, 10¾ laundry bags, 1 clothes pin bag, 2½ doz. strong blankets, 2 doz. hydro. tub covers, 6 doz. bread covers, 6 doz. screen covers, 4 extractor covers, 6¼ doz. tray covers, 4¾ doz. truck covers, 14 pr. sash curtains, 165 pr. drapery curtains, 8 couch sets, 114 doz. combinations, 3½ doz. duck coats, 66½ doz. dresses, 93 doz. strong dresses, 46½ doz. prs. garters, 28½ doz. matters ticks, 571 doz. night robes, 3 petticoats, 17½ doz. pillow ticks, 11½ doz. pan holders, 172 doz. pillow cases, 332 doz. sheets, 8 doz. pack sheets, 51¾ doz. shirts, 9½ doz. shorts, mens, 3½ doz. surgical gowns, 11½ doz. surgical supplies, 1 doz. smocks, 10¼ doz. spreads, 1,173 doz. towels, 18½ doz. table cloths, 8 table pads, 31 pr. tie backs, 6 unionsuits, 150 utility cases, 1 1/6 doz. shrouds.

## MEN'S INDUSTRIAL

The manufacturing and repairing in this department covers a wide range of articles and represents a great saving in the operating cost of many departments in the hospital. The work has been under the direction of Mr. Henry Turner and is covered largely by the following list of articles: —

Made: — 361 corn brooms, 752 towels woven, 210 mattresses, 164 pillows, 213 window shades, 6 frames, 9 towel racks, 2 can punching jigs, 2 bulletin boards, 1 filing cabinet base and top, 4 picture frames, 1 table, 53 prs. pants, 3 dies, 1 taboret, 140 cans cockroach powder filled and sealed, 1 floor swab, 1 microscopic filing cabinet, 3 switchboards, 2 book presses, 1 print block, 1 book case, 11 floor polishers, 1 cushion, 15 sign boards, 1 diet board, 1 filing case, 1 pigeon trap, 1 hassock chair, 1 double mattress, 2 feather pillows, 3 carving boards and 8 carnival Christmas booths.

*Repaired:* — 614 shoes nailed, 428 shoes stitched, 833 shoes heeled, 547 shoes patched, 127 leather articles repaired, 75 brushes repaired, 287 handles reconditioned, 1 table scraped, 299 chairs scraped, 481 pieces furniture refinished, 23 chairs re-caned, 22 clocks repaired, 159 chairs rodged, 44 dish washer trays repaired 152 mattresses remade, 2 mattresses made strong, 3 pillows remade, 39 tables repaired, 39 drawers repaired, 928 chairs repaired, 186 scissors sharpened, 14 locks repaired, 398 window shades, 34 spectacles, 1 suitcase, 20 benches, 2 couches upholstered, 64 mop pails, 3 wheelchairs, 204 bowling pins refaced, 12 plugs turned, 5 bureaus, 3 ladders, 8 pr. crutches, 2 handles turned, 1 desk, 1 kitchen cutter, 17 saws sharpened, 2 sets carving tools sharpened, 89 kitchen knives sharpened, 2 trusses, 2 rugs, 4 doors, 2 sets curtain fixtures, 1 umbrella, 16 settees, 9 sets castors installed, 2 wicker chairs, 3 meat cleavers rehandled, 8 pipes, 2 lawn mowers sharpened, 3 floor polishers repaired, 1 farm wagon repaired, 11 chapel settees repaired and resealed, 13 knives rehandled, 2 davenportes, 4 wardrobes repaired, 1 cot bed repaired, 15 pieces aluminum ware repaired, dining hall windows fixed, 3 dish washer crates repaired.

*Canning:* — 3,493 gals. string beans, 855 gals. tomatoes; 1,084 gals. carrots, 766 gals. squash, 556 gals. onions.

#### PATHOLOGICAL AND RESEARCH

Dr. David Rothschild has directed the work of this department and Mr. Charles Hamberg has been in charge of the laboratories.

*Pathological Department:* — Sixteen autopsies were performed during the year. This constituted twenty-three per cent of the deaths occurring in the hospital. The psychiatric diagnoses in these cases were as follows: —

Dementia praecox, 3; alcoholic psychoses, Korsakow's type, 3; psychoses with cerebral arteriosclerosis, 2; manic depressive psychosis, manic type, 1; manic depressive psychosis, depressed type, 1; senile psychosis, 1; cerebrospinal syphilis, 1; tabo paresis, 1; psychosis with other somatic diseases, uremic poisoning, 1; psychosis with other somatic disease, arsenic poisoning, 1; psychosis with other brain or nervous diseases, type undetermined, 1.

The primary cause of death as determined by autopsy examinations was as follows: —

Cerebral arteriosclerosis, 2; brain tumor, 1; Hodgkin's disease, 1; cardio-renal disease, 1; syphilitic aortitis, 1; alzheimer's disease, 1; nephritis and uremia, 1; myocardial degeneration, 1; strangulation, 1; general paresis, 1; pulmonary tuberculosis, 1; alcoholic psychosis, Korsakow's type, 1; carcinoma of the breast with metastases to the lungs and kidneys, 1; carcinoma of the head of the pancreas, 1; carcinoma of the pharynx with secondary meningitis, 1.

Seven specimens were sent for examination from the operating room. The histological work of the Laboratory has been actively carried on. Tissues from forty-one cases were examined during the year. Some of this material included cases which are being prepared for a paper on Senile Psychoses.

#### CHEMICAL, BACTERIOLOGICAL AND SEROLOGICAL DEPARTMENTS

As a routine measure complete blood counts, quantitative chemical studies of the blood and five urinalyses were performed on all patients admitted to the hospital. Four hundred and forty-two blood counts and 3,778 urinalyses were performed. The number of blood chemical determinations was as follows: — Blood sugar 573, non protein nitrogen 485, phosphorus, 263, calcium 137, serum protein 71, creatinine 85, uric acid 21, blood bromide, 14, and chlorides 2 determinations. The work on glutathione has been continued. Five hundred and forty-three determinations of the reduced and four hundred and forty-eight determinations of the oxidized form were made.

Examinations of the spinal fluid were made in 147 cases. In all cases the total protein, colloidal gold curve and number of cells were determined. As in past years, parallel determinations of the blood and spinal fluid content of a number of substances were made. The following quantitative chemical determinations were performed: — Sugar 130 determinations, non protein nitrogen 130, calcium 134, phosphorus 172, creatinine 24, uric acid 4, and chlorides 2 determinations. The distribution ratio of bromide between blood and cerebrospinal fluid was estimated in 133 cases.



Among other laboratory procedures there were 60 basal metabolism tests, 55 examinations of feces and 6 of gastric contents. Eighteen glucose tolerance tests were performed. The sedimentation rate was determined in 40 cases and Van den Bergh test and icterus index were estimated in 12 cases.

The bacteriological work included 155 smears examined for gonorrhea, 43 specimens of sputum examined for tubercle bacilli, 6 blood cultures and 18 smears from miscellaneous sources.

The work on employees included the following: — 97 urinalyses, 92 blood counts, 26 throat cultures, 3 throat smears, 14 basal metabolism tests, 23 examinations of feces, 7 sedimentation rates, 5 Van den Bergh and icterus index tests, 3 examinations of gastric contents, 1 blood culture, and 6 smears from miscellaneous sources.

As in the past years, the weekly syphilitic treatment clinic has been held every Friday morning. Thirty-four patients received tryparsamide and 33 received bismuth during the course of the year. A total of 693 injections of tryparsamide and 529 injections of bismuth were given.

The physicians in the neighboring communities have continued to avail themselves of the special facilities of the laboratory for examinations such as blood counts, throat cultures, etc.

The following papers have been published: — "Alzheimer's Disease: A Clinicopathologic Study of Five cases" by D. Rothschild, *American Journal of Psychiatry*, Volume 91, Page 485, November, 1934. This paper was read at the annual meeting of the American Psychiatric Association held in Boston on May 29, 1933.

"The Blood-Cerebrospinal Fluid Barrier in Mental Disorders: Distribution Ratio of Calcium and Its Relation to that of Bromide and to the Protein Content of the Cerebrospinal Fluid" by D. Rothschild and C. N. Hamberg, *American Journal of Psychiatry*, Volume 91, Page 1033, March, 1935. This paper was read at the annual meeting of the American Psychiatric Association held in New York City on May 28, 1934.

A paper entitled "A Clinicopathologic Study of Alzheimer's Disease and Its Relation to Senile Conditions" by D. Rothschild in collaboration with J. Kasanin of Howard, Rhode Island, was read at the annual meeting of the American Psychiatric Association held in Washington in May, 1935. This paper has been accepted for publication in the *Archives of Neurology and Psychiatry*.

A paper entitled "Frequency of Active Tuberculosis in a Hospital for Mental Diseases, with Special Reference to Schizophrenia" by D. Rothschild and M. L. Sharp has been prepared and will be read at the next meeting of the Massachusetts Psychiatric Association to be held in December, 1935.

A paper dealing with the pathology of Senile Psychoses is now being prepared for presentation at the next annual meeting of the American Psychiatric Association.

The work of the laboratory has been ably carried on by Mr. Charles Hamberg with the assistance of Miss Mary A. Trainor. One student is at present taking the course of training in laboratory procedure. The medical library has been under the care of Mr. Hamberg.

#### NEUROPSYCHIATRIC CLINIC

The Out-Patient Neuropsychiatric Clinic has been held in Brockton under the direction of Dr. David Rothschild, assisted by Dr. Anne L. Clark and the Social Service and Psychological departments.

As in past years the clinic has been held every Wednesday afternoon in the Out-Patient Department of the Brockton Hospital. Physicians from the surrounding communities have continued to use the clinic freely, referring over 40 per cent of the total number of new patients examined during the course of the year. Social agencies and the various school authorities each referred to the clinic slightly more than 10 per cent of the new cases. Twenty-two patients were sent to the clinic by police or court officials. Twenty of these cases were referred under Chapter 215 of the regulations governing juvenile delinquents. A small number of patients came to the clinic on the advice of friends or on their own initiative.

A total of 461 visits were made to the clinic. There were 147 new cases, consisting of 81 male and 66 female patients. Of this number 59 patients were children or juveniles. There were 25 reopened cases and 19 carried over from the previous year. Thus, the total number of patients visiting the clinic during the course of the year was 191.

Twenty-eight cases (exclusive of the juvenile delinquent group referred by the Courts) consisted of various types of conduct disorder in children and adolescents. In this group 6 patients were of borderline, 8 were of dull normal, 12 were of normal, and 1 of superior intelligence. In most cases general unruliness was a prominent feature. Enuresis was the chief problem in 3 cases and sexual difficulties in 2 cases. Most of the patients with conduct disorder were seen repeatedly at the clinic and many were greatly benefited by the treatment. In some of the patients with borderline or dull normal intelligence a good deal of the difficulty could be attributed to the fact that greater demands had been made on the patients than their intellectual capacity warranted.

Among the 20 juvenile delinquents who were examined under Chapter 215 there were 18 male and 2 female patients. One patient was feeble-minded, 9 were of borderline intelligence, and 1 was of superior intelligence. In this group of cases with asocial traits, stealing and general unruliness of conduct were in the foreground.

Nine patients were classed as definitely feeble-minded. In this group the chief feature was slowness in learning, but sexual problems and general disturbances of conduct were noted in some instances.

A diagnosis of psychoneurosis or neurosis was made in 21 cases. There were 7 cases of traumatic neurosis. A common type of clinical picture was one characterized by hypochondriacal and neurasthenic-like complaints occurring in women at the time of the menopause. In some of these cases the illness was favorably influenced, but many of the patients required more intensive psychotherapy than could be given in a clinic held only once a week.

Twenty-one patients showed psychoses of different types. Seven of these patients were referred to the clinic from the hospital for follow-up work. Among the remaining cases affective psychoses were the commonest type of disorder.

Forty patients showed neurological disorders. There were 13 cases of head trauma and 4 of trauma to peripheral nerves. There were 5 cases in which epilepsy were suspected or definitely diagnosed. Three cases of cerebral arteriosclerosis, one of paralysis agitans, and one of neuro-syphilis were seen as well as a number of miscellaneous neurological conditions.

The staff of the Brockton Hospital availed itself freely of the facilities of the clinic. During the course of the year 129 patients were seen in consultation on the wards of the Brockton Hospital.

A course of eight lectures on psychology was given to the nurses in training at the Brockton Hospital. This has been an annual feature for several years.

The Psychological Department of the Foxborough State Hospital has continued to provide valuable assistance in the work of the clinic. A total of 55 patients were given psychological tests. Fifty-three Stanford tests, 6 performance tests, 18 school tests, and 2 Merrill Palmer tests were performed.

The Social Service Department, under the supervision of Miss Moseley, has continued to be of great help in the work of the clinic. The various social agencies of Brockton have been of assistance in obtaining information and in helping to bring about a better adjustment of the patients. Dr. Clark has rendered valuable service in the management of the clinic.

#### SCHOOL CLINICS

The work of the school clinics during the year from December 1, 1934 to November 30, 1935 was carried on by Dr. Anne L. Clark. She was assisted until May 25th by Miss Elizabeth C. Bail, Psychometrist. From May 25th until August 20th the position of psychometrist was unfilled. On August 20th that work was taken over by Miss Alice Fleming. Miss Fleming is a graduate of Radcliffe College and has done graduate work in psychometrics at the Waverly School for the Feeble-minded and also at the Boston Psychopathic Hospital. Miss Elizabeth L. Moseley and her assistants took the school histories in one town. In the remaining sixteen towns visited this year that work was done by the local school nurses. School tests were done in eight of the towns examined by regular or substitute school teachers. In the remaining towns they were done by the psychiatrist or psychometrist. We have the best of cooperation from school authorities and teachers in all the towns visited. An increasing number of conferences has been held with principals, teachers and parents. New special classes have been established in Belling-



ham and Sharon. The teachers look to us for suggestions in handling behavior problems as well as retraded children. The problem of children of average intelligence, who in spite of this cannot learn to read, seems to distress the teachers more than any other one thing. Their interest points out the direction in which the school clinics might increase their value to the community.

During the past year the traveling school clinic has examined school children in the towns of Bellingham, Bridgewater, Canton, East Bridgewater, Foxborough, Needham, Hingham, Norton, Hull, Norwood, Mansfield, Milton, Sharon, Walpole, Wellesley, Weymouth and Wrentham. The majority of these cases were recommended for examination because of retardation. A number of children presenting behavior problems were also seen at the request of the superintendents.

The total number of children examined by the traveling school clinic during the past year was 549; 378 boys and 171 girls. The total number of these found to be definitely feeble-minded was 104; 70 boys and 34 girls. A very small fraction of these was recommended for institutional care; the remainder were placed in opportunity classes. Sixty-six children, 55 boys and 11 girls were found to be of average intelligence. Almost without exception the average child comes up for examination because it is handicapped by reading disabilities. The remaining 158 children were about evenly divided between the dull normal and borderline groups in the proportion of three boys to every girl.

The psychometrists' work is done mainly in connection with the traveling school clinic. In addition she examines hospital cases, Briggs' law cases, and Brockton clinic cases. The psychometrics in addition to school clinic work were as follows:

<i>Patients in Hospital</i>		<i>Brockton Clinic</i>	
Total number examined	54	Total number examined	52
Stanfords	48	Stanfords	50
Performance Tests	28	Performance Tests	6
Army Beta	1	School Tests	15
Wells Memory	9	Merrill-Palmer Series	2
<i>Prisoners</i>		<i>Out-Patients</i>	
Total number examined	43	Total number examined	1
Stanfords	44	Stanfords	1
Performance Tests	15	School Tests	1

#### DENTAL DEPARTMENT

Resident Dentist: — Dr. Edward E. Small. Miss Pearl C. Vincent has assisted as dental hygienist.

Patients were treated as follows: — Total number of patients treated, 2,898; operations, 2,532; fillings, 220; cleanings, 263; extractions, 1,364.

#### SOCIAL SERVICE

Head Social Worker: — Miss Elizabeth L. Moseley. The work of this department has been carried on with the assistance of one psychiatric social worker and that of three students during the greater part of the year.

This Department has dealt during the year since December 1, 1934, with a total of 727 cases (382 males and 345 females). Of these 443 (258 males and 185 females) were referred to this Department for the first time. This total number divides itself into two main groups, namely, those patients under commitment to the hospital, which number 515, and those persons dealt with in the community not under commitment. This latter number for the year was 212. Of the 515 patients under commitment, 260 were males and 255 females. Of these patients 264 (147 males and 117 females) were new admissions to the hospital, and, as usual, were referred to this Department for a social history and investigation.

There have been during the year 179 patients out on prolonged visit from the hospital and five placed under Family Care through this Department. Of these patients on visit 78 were men and 101 women; of the patients under Family Care four were women placed at housework in private families, and one was an elderly man whose board in a private family is being paid by his daughter, who lives in another state, arrangements having been made to have the money sent to a friend in the community, who is helping in the supervision and readjustment of this

patient. All of these patients have been under the general supervision of this Department; many of them have been visited in their homes and some interviewed while reporting either at the hospital or at one of our Out-Patient Clinics. Twenty-six of them living in the Greater Boston district have been reporting at our monthly evening clinic held at the Boston Psychopathic Hospital. One member of this department always attends this clinic with the physician, and a total of 77 interviews has been held there by the worker, 43 with patients and 34 with relatives or friends accompanying them. These interviews are in addition to those held by the physician and have to do especially with the social situation in each case.

In a few of these cases, intensive social treatment has been undertaken in attempting to help the patient in a readjustment in the community. One particularly interesting case has been that of a single woman of twenty-nine, whose mental condition has been diagnosed as Dementia Praecox and who has also a severe heart condition, which has handicapped her to a great extent since childhood. She has been on visit now for over a year and reports faithfully to the clinic. Through the excellent cooperation of the local Family Welfare Society and the Boston Co-operative Work Rooms, she has been furnished with new glasses, a set of artificial teeth, and steady employment at sewing, which we had learned that she did very well. Although a few months ago it seemed almost necessary to return this patient to the hospital, she is now finally making a happy adjustment and is able to pay her mother a few dollars a week toward her board, so that she no longer feels herself "a burden" on her family. Another factor in this situation was that of friction in the family caused partly by a lack of understanding on their part of the patient's mental condition, and partly by her own difficult personality. Much work has been done in helping the mother to a better understanding of her daughter's difficulties as well as helping the patient herself to a better attitude.

Of the community cases not under commitment to the hospital, the largest group has been that of patients coming to the Brockton Neuropsychiatric Clinic, which two members of this Department attend each week. There were 169 such patients dealt with (88 males and 81 females) and a total of 213 interviews were held, 69 with patients and 144 with other interested individuals. In a few of these cases outside work has also been attempted in the way of further investigation or social treatment, but on the whole it has been found more feasible to work through the local social agencies and a number of these cases have been referred to them. For instance, during the summer two particularly difficult "problem" boys were referred for special study to an agency with interesting and helpful results. At present the case of a girl of thirteen of somewhat low mentality is being considered for placement by another agency, partly because of a particularly difficult home situation.

This year a desirable change was made in the plan for securing the school clinic histories, and we were asked to do this work in one town only, where eleven histories were secured from the families of the retarded school children. In the other towns covered by the hospital, the school nurses secured the necessary information. We have continued to make social investigations in cases of certain prisoners awaiting trial who, under the Briggs' Law, were being examined for their mental condition, and we have made 21 such investigations.

This leaves a balance of 11 miscellaneous cases, which were either persons coming as out patients to our hospital, or as in a few cases, were former patients coming back for advice, help in securing employment, etc. Three of these cases were those of Juvenile Delinquents referred, according to the recent law, by the Courts for a mental examination. There have been in all during this year 25 such cases of Juvenile Delinquents handled through this Department, but the other 22 were seen in the Brockton Clinic and are included in the figures given above. A study of these 25 cases reveals that 21 were boys and only 4 girls, and the rather startling figures that 12 of these boys were under 14 years of age, one being only 9; one 14 years old, five 15 and three 16. Of the girls, two were 14 and two 16 years of age and their delinquencies were, as might be expected, of a sex nature.

The total number of interviews required for this work during the year was as follows:—

Interviews at hospital with relatives or other individuals . . . . .	657
Interviews with patients on the ward . . . . .	112
Visits to patients outside the hospital . . . . .	78
Visits to relatives of patients . . . . .	290
Visits to social agencies . . . . .	313
Visits to other interested individuals (employers, etc.) . . . . .	726
Visits to homes in school clinic work . . . . .	11
Interviews at Out-Patient Clinics . . . . .	290
Total . . . . .	2,477

#### TRAINING SCHOOL FOR PSYCHIATRIC NURSING

Following the marriage and resignation of Miss Marion E. Blanchard, Miss Ila P. Jackson, Assistant Principal of the School of Nursing of the Taunton State Hospital since 1928, was appointed Principal of the School on October 21, 1935.

On September 30, 1935, a class of 11 women and 2 men were enrolled. The class of 1936 has an enrollment of 6 women and 2 men. Of the class of 1935, 3 women completed the course satisfactorily and received their diplomas on October 14th.

During the year 16 men completed the thirty-hour attendant course. At the present time the course is being given to 19 women and 12 men.

Five Nurses' Staff Conferences were held, and representatives from the nursing staff attended the institute and the various conventions held throughout the year by the American Nurses' Association and the League of Nursing Education.

#### ENTERTAINMENT

The regular forms of entertainment consisted as usual of motion pictures and dances held weekly except during the summer months. The music rendered by the hospital orchestra has been of excellent quality and we would take this opportunity of expressing our appreciation of the great interest taken by those of the hospital personnel who have given up so much time to playing in the orchestra.

The Annual Field Day was held on July Fourth and several picnics were held in the grove during the summer.

The members of the American Legion, American Legion Auxilliary, Veterans of Foreign Wars and Veterans of Foreign Wars Auxilliary continued to make their routine visits to the hospital and brought much cheer not only to the veterans but to many others of the institution with whom they came in contact.

In addition to entertaining they furnished a liberal amount of fruit, candy, confectionery and many useful articles to the patients.

Both patients and employees feel deeply indebted to local organizations which furnished entertainments for their benefit. We were particularly indebted to the Emergency Relief Administration which gave almost weekly performances at the hospital from February, 1935 to the end of the year.

#### RELIGIOUS SERVICES

The Hospital feels deeply indebted to the clergymen of the town of Foxborough and to the Reverend Israel Alpert of Providence for the faithful service which they have given during the year. The services were held regularly each Sunday and special observance was made of Christmas and Easter.

#### LAUNDRY

The new laundry building, a project under Public Works Administration, has been completed and arrangements are now being made for the removal of the machinery from the old building and the installation of additional equipment as part of the project. This change is going to meet a long felt need of the institution.

The record shows a total of 2,321,753 pieces laundered during the year.

#### POWER HOUSE

Chief Engineer: Mr. William White. The project of remodelling the power house and the installation of new boilers and generating equipment and a new refrigerating system was begun in July of this year. It is being done through a grant made



by the Public Works Administration. During the removal of the old boilers with their settings the need for this work became still more apparent. The recent enlargement of many of the existing buildings and the addition of several new ones made a much greater demand for steam that could possibly be met when operating to full capacity and there was absolutely no reserve. Similarly the need for renewal of the refrigerating equipment became imperative as the old system was found to be inefficient and no longer in such condition to be operated without the making of extensive repairs which would have been very costly and not likely to be productive of desired results. Under Repairs and Renewals amounts were appropriated which made possible the renewal of steam and plumbing lines in Cottage A, the renewal of radiator traps in Building O, the replacing of mixing valves in Building K, the replacing of broken plumbing fixtures in many of the wards, the installing of safety devices on elevators, additional equipment for fire protection and a call bell system throughout the institution. The above, in addition to the work done under repairs ordinary was accomplished by the hospital personnel. Many minor changes recently made in steam lines installed some years ago in order to meet the changed conditions due to alterations in buildings and main lines have facilitated greatly the heating of the other buildings.

#### SEWAGE DISPOSAL

To meet the needs for additional facilities an appropriation was obtained under the Public Works Administration to install ten additional sewer beds. This work is now under way and should be completed by early summer of 1936.

#### REPAIR DEPARTMENT

Maintenance Foreman: Mr. George P. Clark. In addition to the making of repairs and the doing of reconstruction under Repairs Ordinary and Repairs and Renewals considerable work was accomplished by groups of patients working under supervision and by the Works Progress Administration. A considerable number from the towns of Foxborough and Franklin were put to work at grading and outside painting and it is expected that this work will be continued throughout the winter, when possible, and into next spring. The major projects done were as follows:—

Shingling rear of Cottage C, new bull pen at farm, new porch and new roof Cottage I, new asbestos-slate roof Cottage D, new porch Cottage E, not quite complete, tearing down old horse barn and building stalls for new horse barn in end of salvage yard building, burning old paint off Superintendent's cottage and repainting, repainting main dining room, repainting operating room and connecting rooms and corridors, repainting male infirmary, repainting front and back stairs L Building, painting rooms and corridors for new dining room between E and D in basement; new service road in back of salvage yard, not complete, new cement walk, Cottage J, new cement walk Payson Road to Tuberculosis Building, new cement walk to rear of Nurses' Home, filling and grading at cemetery, stripping loam for grading, new road around new Laundry, partially complete, digging ditches and laying tile drains for sewage disposal at Farm Dormitory. New tar and gravel roof over Main Dining Room, new copper gutters along back corridor from K to D Building, removing coping and covering parapet walls with copper on L, M, N, O and Administration Buildings: rough and finish grading around Nurses' Home and Male Employees' Home, approximately 6,133 sq. yards completed.

#### FARM

Head Farmer:—Mr. Charles Thurston. Some additional land was brought under cultivation and the hospital continued to rent about forty acres from adjoining farms. Owing to unseasonable weather the potato crop was much smaller than usual but was of excellent quality. For the same reason the yield in tomatoes was much below normal. Apart from these the production was about normal. The production of milk and eggs continued quite satisfactory.

Briefly summarized, the production was as follows:—Milk, 477,846.88 lbs., eggs, 95,956. Garden produce, 398,285  $\frac{3}{4}$  lbs., potatoes, 166,802 lbs., Fruit 168,619  $\frac{3}{4}$  lbs.; Pork 50,878 lbs.; Poultry 5,648 lbs.; Forage crops, 163,313 lbs. Total production 1,369,437.38 lbs.



From this quantity the following were canned:—String beans, 16,502 lbs.; cabbage, 4,050 lbs.; carrots 5,905 lbs.; cucumbers 1,254 lbs.; onions, 4,583 lbs.; winter squash, 8,210 lbs.; tomatoes, 9,909 lbs.

We desire to acknowledge our indebtedness to the Farm Coordinator of the Department of Mental Diseases, Mr. Wallace Garrett, for much valuable assistance given to us, and to express our appreciation of the work done for us by the Department of Animal Industry.

APPROPRIATIONS

A careful survey has been made of all the needs of the institution to provide necessary facilities to properly care for the present patient population and present quota of employees. The Public Works projects now in process have helped greatly in this connection but certain other alterations and additions are necessary. Under the last Bond Issue projects now completed or in process were as follows:—L Building and equipment, Building for Tubercular Patients and additions to verandas to certain ward buildings; Assembly Building and tunnel; enlargement of the Power House; installation of new boilers and new equipment; additional facilities for the disposal of sewage. The following items were submitted in the budget for this year:—Installation of sprinkler system in Cottage A and Cottage C, ward buildings D, C and E, and the erection of a tank for emergency supply of water, root cellar and vegetable storage; employees' home, remodeling and fire-proofing of Building O with additions to care for disturbed patients; cafeteria, piggery and hennery to be erected at the Colony Farm and the remodeling of the old Assembly Building to provide additional accommodations for patients. In addition to this a number of smaller items necessary for the satisfactory operation of the institution were included.

ACKNOWLEDGMENTS

In our contacts with the community, especially in the matter of conducting Out-Patient Clinics and Public School Clinics, we have found town and court officials, Welfare organizations and others in the community extremely helpful to us and we would take this opportunity of expressing our appreciation of the assistance given to us. Interested persons and organizations of the community donated books and periodicals to our library. The hospital personnel has particularly enjoyed the excellent entertainments given at the hospital by organizations of the community. Many gifts of clothing and other articles have been received at the hospital during the year by many of our patients from relatives and friends. I desire to express to the members of the Board of Trustees my appreciation for the valuable assistance given in conducting the affairs of the hospital throughout the year and to the hospital personnel, who have so loyally and devotedly performed their duties.

Respectfully submitted,

RODERICK B. DEXTER, M.D.,  
*Superintendent.*

VALUATION

November 30, 1935  
REAL ESTATE

Land, 352.4 acres	\$35,400.00
Buildings and betterments	2,177,484.13
	<hr/> \$2,212,884.13

PERSONAL PROPERTY

Travel, transportation and office expenses	\$510.93
Food	9,706.99
Clothing and materials	14,921.93
Furnishings and households supplies	184,112.68
Medical and general care	34,022.26
Heat and other plant operations	5,392.31
Farm	39,864.09
Garage and grounds	16,535.63
Repairs	11,415.9
	<hr/> \$316,482.77

SUMMARY

Realestate	\$2,212,884.13
Personal property	316,482.77
	<hr/> \$2,529,366.90

## FINANCIAL STATEMENT

To the Department of Mental Diseases:

I respectfully submit the following report of the finances of this institution for the fiscal year ending November 30, 1935.

STATEMENT OF EARNINGS			
Board of patients			\$50,732.77
Personal services			128.00
Sales:			
Food		\$850.49	
Furnishings and household supplies		50.27	
Medical and general care		61.10	
Heat and other plant operations		38.00	
Repairs ordinary		24.42	
Farm		102.15	
Total sales			\$1,126.43
Miscellaneous:			
Rents		\$342.00	
N. E. Tel. & Tel. Co.		55.81	
Total miscellaneous			397.81
Total earnings for the year			\$52,385.01
Total cash receipts reverting and transferred to the State Treasurer			\$52,410.01
Accounts receivable outstanding December 1, 1934		\$25.00	
Accounts receivable decreased,			\$25.00
MAINTENANCE APPROPRIATION			
Balance from previous year, brought forward			\$10,822.66
Appropriation, current year			459,060.00
Total			\$469,882.66
Expenditures as follows:			
1. Personal services		\$233,279.12	
2. Food		74,018.43	
3. Medical and general care		9,840.41	
4. Religious instruction		1,360.00	
5. Farm		22,292.73	
6. Heat and other plant operation		45,261.81	
7. Travel, transportation and office expenses		5,870.49	
8. Garage and grounds		4,004.65	
9. Clothing and materials		12,452.64	
10. Furnishings and household supplies		19,641.30	
11. Repairs ordinary		7,953.11	
12. Repairs and renewals.		10,867.68	
Total maintenance expenditures			\$446,842.37
Balance of maintenance appropriation, Nov. 30, 1935			23,040.29
			\$469,882.66
SPECIAL APPROPRIATIONS			
Balance December 1, 1934 brought forward			\$439,939.77
Appropriations for current year			152,000.00
Total			\$591,939.77
Expended during the year (see statement below)		\$245,975.57	
Reverting to Treasury of Commonwealth		22.24	
			245,997.81
Balance November 30, 1935 carried to next year.			\$345,941.96

APPROPRIATION	Act or Resolve	Total Amount Appropriated	Expended during fiscal year	Total Expended to date	Balance at end of year
Laundry building and equipment					
MSP No. M-8		\$105,000.00	\$41,754.13	\$69,315.72	\$35,684.28
Pavilion T. B. patients and verandas, MSP No. M-9-30		229,000.00	90,672.02	158,182.73	70,817.27
Assembly building and tunnel, MSP No. M-31		130,000.00	78,269.96	107,112.88	22,887.12
Boiler house, MSP No. M-32		184,000.00	35,144.72	35,311.97	148,688.03
Hydrotherapeutic suite equipment	1935	10,000.00	—	—	10,000.00
Fire protection	1935	8,000.00	31.30	31.30	7,968.70
Sewer beds, MSP No. M-1144		50,000.00	103.44	103.44	49,896.56
Boiler settings, etc.	1933	3,000.00	—	2,977.76	22.24*

PER CAPITA  
During the year the average number of patients has been, 1,209.  
Total cost of maintenance, \$446,842.37.  
Equal to a weekly per capita cost of (52 weeks to year), \$7.1085.  
Total receipts for the year, \$52,410.01.  
Equal to a weekly per capita of \$.8346.  
Total net cost of maintenance for year (total maintenance less total receipts), \$394,432.36.  
Net weekly per capita, \$6.2739.

Respectfully submitted,  
HARRIETT S. BAYLEY,  
Treasurer.

STATISTICAL TABLES  
AS ADOPTED BY THE AMERICAN PSYCHIATRIC ASSOCIATION PRESCRIBED BY THE  
MASSACHUSETTS DEPARTMENT OF MENTAL DISEASES

TABLE 1. General Informtaion

(Data correct at end of institution year November 30, 1935)									
1. Date of opening as a hospital for mental diseases, August, 1914.									
2. Type of hospital: State.									
3. Hospital plant:—									
Value of hospital property —									
Real estate, including buildings								\$2,212,884.13	
Personal property								316,482.77	
Total								\$2,529,366.90	
Total acreage of hospital property owned, 352.40.									
Additional acreage rented, 17.									
Total acreage under cultivation during previous year, 75 1/2.									
4. Officers and employees:									
	Actually in Service at End of Year			Vacancies at End of Year					
	M.	F.	T.	M.	F.	T.			
Superintendents	1	—	1	—	—	—			
Assistant physicians	5	2	7	—	—	—			
Total physicians	6	2	8	—	—	—			
Stewards	1	—	1	—	—	—			
Resident dentists	1	—	1	—	—	—			
Pharmacists	1	—	1	—	—	—			
Graduate nurses	1	21	22	—	1	1			
Other nurses and attendants	67	70	137	3	—	3			
Occupational therapists	—	3	3	—	—	—			
Social workers	—	2	2	—	—	—			
All other officers and employees	66	53	119	—	—	—			
Total officers and employees	143	151	294	3	1	4			
5. Census of Patient Population at end of year (Classification by Diagnosis September 30, 1935)									
	Actually in Hospital			Absent from Hospital but still on Books					
	M.	F.	T.	M.	F.	T.			
WHITE:									
Insane	546	655	1,201	47	41	88			
Mental defectives	1	3	4	—	—	—			
All other cases	—	1	1	—	—	—			
Total	547	659	1,206	47	41	88			
OTHER RACES:									
Insane	22	21	43	2	1	2			
Total	22	21	43	2	1	3			
Grand Total	569	680	1,249	49	42	91			
				M.	F.	T.			
6. Patients under treatment in occupational-therapy classes, including physical training, on date of report				—	120	120			
7. Other patients employed in general work of hospital on date of report				264.510	204.232	468.742			
8. Average daily number of all patients actually in hospital during year				544.263	652.958	1,197.221			
9. Voluntary patients admitted during year				2	1	3			
10. Persons given advice or treatment in out-patient clinics during year				109	92	201			

TABLE 2. *Movement of Patient Population for the Year Ended September 30, 1935*  
(Data in all of the following tables are based on the Statistical Year, October 1, 1934 to September 30, 1935)

	TOTAL			REGULAR COURT COMMITMENT (INSANE)			OBSERVATION			TEMPORARY CARE			VOLUNTARY		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Patients on books of institution September 30, 1934															
Admissions during year:															
First admissions	595	695	1,290	591	693	1,284	2	1	3	—	—	—	2	1	3
Readmissions	142	95	237	114	87	201	19	8	27	8	—	8	1	—	1
Total admissions	737	790	1,527	705	780	1,485	38	9	54	13	2	15	3	1	2
Transfers from other mental hospitals	22	35	57	10	29	39	25	11	36	5	2	7	2	1	3
Total received during year	164	130	294	124	116	240	63	20	90	18	2	22	5	2	4
Discharged from books during year:															
As recovered	6	8	14	6	8	14	25	11	36	—	—	—	—	—	3
As improved	170	138	308	130	124	254	27	12	39	13	2	15	2	1	3
As unimproved	765	833	1,598	721	817	1,538	27	12	39	13	2	15	4	2	6
Total discharged to community	24	12	36	13	8	21	8	4	12	2	—	2	1	—	1
Transferred to other mental hospitals	41	39	80	33	34	67	3	2	5	4	2	6	1	1	2
Died during year	19	2	21	8	16	24	—	—	—	—	—	—	—	—	—
Total discharged, transferred and died during year	92	61	153	54	50	104	12	2	14	5	—	5	2	—	2
Patients remaining on books of hospital at end of year:															
In hospital	5	14	19	5	14	19	23	8	31	11	2	13	4	1	5
On parole or otherwise absent	50	36	86	46	35	81	2	1	3	—	—	2	—	—	—
Total	147	111	258	105	99	204	25	9	34	13	2	15	4	1	5
Patients on books of institution September 30, 1935															
Admissions during year:															
First admissions	569	680	1,249	567	676	1,243	2	3	5	—	—	—	—	1	1
Readmissions	49	42	91	49	42	91	2	3	5	—	—	—	—	—	—
Total admissions	618	722	1,340	616	718	1,334	4	6	10	—	—	—	—	1	1

## SUPPLEMENTARY DATA

	Males	Females	Total
Average daily number of patients on books during year	597.42	710.54	1,307.96
Actually in institution during year	544.42	652.95	1,197.37
In family care	1.00	2.00	3.00
On visit	39.50	53.83	93.33
On escape	12.50	1.75	14.25
Number of patients actually remaining in institution September 30, 1935:			
State	526	577	1,103
Reimbursing	43	103	146
Ex-service patients paid by Federal Government	—	1	1
Number of patients in family care September 30, 1935:			
Self-supporting	—	2	2
Private	1	—	1
Number of non-insane patients in hospital at end of institution year:			
Mentally defective	1	3	4
Others	—	1	1



TABLE 3. *Nativity of First Admissions and of Parents of First Admissions*

NATIVITY	PATIENTS			PARENTS OF MALE PATIENTS			PARENTS OF FEMALE PATIENTS		
	M.	F.	T.	Fathers	Mothers	Both Parents	Fathers	Mothers	Both Parents
United States <sup>1</sup>	82	56	138	45	45	36	27	24	21
Austria	—	—	—	—	—	—	1	1	1
Canada <sup>2</sup>	6	11	17	14	14	9	11	14	9
China	2	—	2	—	2	—	—	—	—
Czecho-Slovakia	1	—	1	1	1	1	—	—	—
England	4	3	7	7	6	6	4	7	4
Finland	—	—	—	—	—	—	2	1	1
France	—	1	1	—	—	—	1	1	1
Germany	1	1	2	1	1	1	2	2	1
Greece	1	—	1	1	1	1	1	1	1
Ireland	7	5	12	22	21	20	15	14	13
Italy	3	2	5	5	5	5	4	4	3
Poland	—	3	3	1	—	—	5	4	4
Russia	3	2	5	5	6	5	5	4	4
Scotland	1	—	1	1	1	1	—	1	—
South America	—	—	—	—	—	—	1	—	—
Sweden	2	1	3	2	2	2	2	3	2
Switzerland	—	—	—	—	—	—	1	1	1
Turkey in Europe	—	1	1	—	—	—	1	1	1
Wales	—	—	—	1	—	—	—	—	—
West Indies <sup>3</sup>	—	1	1	—	—	—	1	1	1
Other Countries	1	—	1	3	3	3	2	2	2
Unknown	—	—	—	5	5	3	1	1	1
Total	114	87	201	114	114	93	87	87	71

<sup>1</sup>Persons born in Hawaii, Porto Rico and the Virgin Islands should be recorded as born in the U. S.<sup>2</sup>Includes Newfoundland.<sup>3</sup>Except Cuba, Porto Rico and Virgin Islands.



TABLE 5. *Citizenship of First Admissions*

	Males	Females	Total
Citizens by birth . . . . .	82	56	138
Citizens by naturalization . . . . .	15	18	33
Aliens . . . . .	15	12	27
Citizenship unknown . . . . .	2	1	3
Total . . . . .	114	87	201

TABLE 6. *Race of First Admissions Classified with Reference to Principal Psychoses*

RACE	Total			With syphilitic meningo-encephalitis			With epidemic encephalitis			Alcoholic psychoses			Due to drugs, etc.			Traumatic psychoses		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black) . . . . .	1	5	6	—	1	1	—	1	1	—	1	1	—	—	—	—	—	—
Armenian . . . . .	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Chinese . . . . .	2	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
English . . . . .	34	16	50	2	—	2	—	—	—	3	—	3	—	—	—	1	—	1
Finnish . . . . .	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
French . . . . .	4	4	8	1	—	1	1	—	1	—	—	—	—	—	—	—	—	—
German . . . . .	1	2	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Greek . . . . .	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hebrew . . . . .	5	7	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Irish . . . . .	31	17	48	2	—	2	—	—	—	2	—	2	1	—	1	—	—	—
Italian <sup>1</sup> . . . . .	6	4	10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Lithuanian . . . . .	2	1	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Scandinavian <sup>2</sup> . . . . .	2	3	5	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—
Scotch . . . . .	2	2	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Slavonic <sup>3</sup> . . . . .	2	4	6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Syrian . . . . .	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Welsh . . . . .	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Others specific races . . . . .	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mixed . . . . .	17	16	33	1	—	1	—	—	—	1	—	1	—	—	—	—	—	—
Race unknown . . . . .	1	2	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total . . . . .	114	87	201	6	1	7	1	1	2	7	1	8	1	—	1	1	—	1

TABLE 6. *Race of First Admissions Classified with Reference to Principal Psychoses — Continued*

RACE	With cerebral arterio-sclerosis			With other disturbances of circulation			With convulsive disorders (epilepsy)			Senile psychoses			Involutional psychoses			Due to other metabolic diseases, etc.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black) . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Armenian . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Chinese . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
English . . . . .	7	2	9	—	—	—	—	—	—	4	3	7	1	1	2	—	1	1
Finnish . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
French . . . . .	2	—	2	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—
German . . . . .	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Greek . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hebrew . . . . .	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—
Irish . . . . .	3	5	8	—	—	—	1	—	1	4	4	8	2	1	3	2	—	2
Italian <sup>1</sup> . . . . .	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Lithuanian . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Scandinavian <sup>2</sup> . . . . .	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Scotch . . . . .	—	1	1	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—
Slavonic <sup>3</sup> . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Syrian . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Welsh . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Others specific races . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mixed . . . . .	1	2	3	—	1	1	—	—	—	3	3	—	1	—	1	2	—	2
Race unknown . . . . .	1	—	1	—	—	—	—	—	—	1	1	—	—	—	—	—	1	1
Total . . . . .	15	13	28	—	1	1	1	1	2	9	11	20	4	3	7	5	2	7

<sup>1</sup>Includes "North" and "South."<sup>2</sup>Norwegians, Danes and Swedes.<sup>3</sup>Includes Bohemian, Bosnian, Croatian, Dalmatian, Hercegovinian, Montenegrin, Moravian, Polish, Russian, Ruthemian, Servian, Slovak, Slovenian.

TABLE 6. *Race of First Admissions Classified with Reference to Principal Psychoses — Concluded*

RACE	With organic changes of nervous system			Psycho-neuroses			Manic-depressive psychoses			Dementia praecox			Paranoia and paranoid conditions			With psychopathic personality			With mental deficiency		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	—	—	—	—	—	—	—	1	1	—	—	2	—	—	—	—	—	—	—	—	—
Armenian	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
Chinese	—	—	—	—	—	—	—	—	—	2	—	2	—	—	—	—	—	—	—	—	—
English	4	—	4	1	2	3	1	4	5	10	3	13	—	—	—	—	—	—	—	—	—
Finnish	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—
French	—	—	—	—	—	—	—	—	—	—	2	2	—	—	—	—	—	—	—	—	—
German	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—	—	1	1
Greek	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—	—	1	1
Hebrew	—	—	—	1	—	1	1	3	4	2	1	3	—	1	1	—	—	—	1	1	2
Irish	4	1	5	—	—	—	7	—	7	2	4	6	1	1	2	—	1	1	—	—	—
Italian <sup>1</sup>	—	—	—	—	—	—	2	—	2	2	4	6	—	—	—	—	—	—	—	—	—
Lithuanian	—	—	—	—	—	—	—	1	1	2	—	2	—	—	—	—	—	—	—	—	—
Scandinavian <sup>2</sup>	—	—	—	—	—	—	1	1	2	—	—	—	—	—	—	—	—	—	—	1	1
Scotch	—	—	—	—	—	—	1	—	1	—	—	—	—	1	1	—	—	—	—	—	—
Slavonic <sup>3</sup>	—	—	—	—	—	—	—	—	—	1	2	3	1	—	1	—	—	—	—	2	2
Syrian	—	—	—	—	1	1	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—
Welsh	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—
Other specific races	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—
Mixed	—	1	1	1	1	2	1	—	1	7	5	12	—	—	—	—	2	2	2	1	3
Race unknown	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	8	2	10	3	4	7	14	11	25	32	23	55	4	3	7	—	3	3	3	7	10

<sup>1</sup>Includes "North" and "South."<sup>2</sup>Norwegians, Danes and Swedes.<sup>3</sup>Includes Bohemian, Bosnian, Croatian, Dalmatian, Herzegovinian, Montenegrin, Moravian, Polish Russian, Ruthenian, Servian, Slovak, Slovenian.TABLE 7. *Age of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			0-14 years			15-19 years			20-24 years			25-29 years		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	6	1	7	—	—	—	—	—	—	—	—	—	—	—	—
With epidemic encephalitis	1	1	2	1	—	1	—	1	1	—	—	—	—	—	—
Alcoholic psychoses	7	1	8	—	—	—	—	—	—	—	—	—	—	—	—
Due to drugs, etc.	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
Traumatic psychoses	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
With cerebral arteriosclerosis	15	13	28	—	—	—	—	—	—	—	—	—	—	—	—
With other disturbances of circulation	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
With convulsive disorders (epilepsy)	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—
Senile psychoses	9	11	20	—	—	—	—	—	—	—	—	—	—	—	—
Involutional psychoses	4	3	7	—	—	—	—	—	—	—	—	—	—	—	—
Due to other metabolic diseases, etc.	5	2	7	—	—	—	—	—	—	—	—	—	—	—	—
With organic changes of nervous system	8	2	10	2	—	2	—	1	1	—	—	—	—	—	—
Psychoneuroses	3	4	7	—	—	—	—	—	—	—	2	2	—	—	—
Manic-depressive psychoses	14	11	25	—	—	—	1	2	3	5	2	7	1	2	3
Dementia praecox	32	23	55	—	—	—	6	1	7	5	3	8	8	6	14
Paranoia and paranoid conditions	4	3	7	—	—	—	—	—	—	—	—	—	—	—	—
With psychopathic personality	—	3	3	—	—	—	—	1	1	—	—	—	—	1	1
With mental deficiency	3	7	10	—	2	2	3	1	4	—	1	1	—	1	1
Total	114	87	201	3	2	5	10	7	17	10	8	18	9	10	19



TABLE 7. *Age of First Admissions Classified with Reference to Principal Psychoses — Continued*

PSYCHOSES	30-34 years			35-39 years			40-44 years			45-49 years			50-54 years			55-59 years		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	1	-	1	1	1	2	1	-	1	1	-	1	1	-	1	1	-	1
With epidemic encephalitis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alcoholic psychoses	-	1	1	1	-	1	1	-	1	-	-	-	1	-	1	1	-	1
Due to drugs, etc.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Traumatic psychoses	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
With cerebral arteriosclerosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
With other disturbances of circulation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With convulsive disorders (epil.)	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Senile psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Involuntary psychoses	-	-	-	-	-	-	-	-	-	1	1	2	2	1	3	-	-	-
Due to other metabolic diseases etc.	-	-	-	-	-	-	-	-	-	1	-	1	-	1	1	-	-	-
With organic changes of nervous system	-	-	-	-	-	-	-	-	-	2	1	3	-	-	-	1	-	1
Psychoneuroses	-	-	-	1	1	2	-	-	-	1	-	1	1	1	2	-	-	-
Manic-depressive psychoses	-	1	1	1	-	1	3	1	4	1	2	3	-	-	-	1	1	2
Dementia praecox	5	1	6	3	2	5	3	4	7	-	4	4	1	2	3	1	-	1
Paranoia and paranoid conditions	-	-	-	-	1	1	1	-	1	1	-	1	1	1	2	-	-	-
With psychopathic personality	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
With mental deficiency	-	1	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Total	6	5	11	8	7	15	9	5	14	8	8	16	7	6	13	8	1	9

TABLE 7. *Age of First Admissions Classified with Reference to Principal Psychoses — Concluded*

PSYCHOSES	60-64 years			65-69 years			70-74 years			75-79 years			80-84 years			85 years and over		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With epidemic encephalitis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alcoholic psychoses	2	-	2	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Due to drugs, etc.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Traumatic psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With cerebral arteriosclerosis	1	1	2	4	1	5	2	5	7	6	5	11	-	1	1	1	-	1
With other disturbances of circulation	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With convulsive disorders (epil.)	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Senile psychoses	-	2	2	1	1	2	1	3	4	4	3	7	1	-	1	1	2	3
Involuntary psychoses	1	-	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Due to other metabolic diseases, etc.	3	-	3	-	1	1	1	-	1	-	-	-	-	-	-	-	-	-
With organic changes of nervous system	3	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Psychoneuroses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manic-depressive psychoses	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Dementia praecox	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Paranoia and paranoid conditions	-	1	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
With psychopathic personality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With mental deficiency	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	11	5	16	8	4	12	4	8	12	10	8	18	1	1	2	2	2	4

TABLE 8. Degree of Education of First Admissions Classified with Reference to Principal Psychoses

PSYCHOSES		Total		Illiterate		Reads and Writes		Common School		High School		College		Unknown
		M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	
With syphilitic meningo-encephalitis . . . . .		6	1	7				3	1	4				3
With epidemic encephalitis . . . . .		1	1	2				1	1	1				3
Alcoholic psychoses . . . . .		7	1	8				5	1	6				
Due to drugs, etc. . . . .		1		1				1		1				
Traumatic psychoses . . . . .		1		1										
With cerebral arteriosclerosis . . . . .		15	13	28	1	1	2	6	8	14	3	3	6	2
With other disturbances of circulation . . . . .														
With convulsive disorders (epilepsy) . . . . .		1	1	2	1	1	1		1	2				
Senile psychoses . . . . .		9	11	20				1	1	2				
Involuntary psychoses . . . . .		4	3	7				7	9	16	1			1
Due to other metabolic diseases, etc. . . . .		5	2	7	1		1	1	1	2		1	3	1
With organic changes of nervous system . . . . .		3	2	5	2	1	3	3	3	3		1	1	1
Psychoneuroses . . . . .		3	4	7	1		1	1	1	3				
Manic-depressive psychoses . . . . .		14	11	25				1	2	3	2			
Dementia praecox . . . . .		32	23	55				8	4	12	6			
Paranoia and paranoid conditions . . . . .		4	3	7	1	2	1	17	7	24	11	9	20	
With psychopathic personality . . . . .		3	3	6	1			2	2	2	1	1	1	
With mental deficiency . . . . .		7	10	17	5	5	5	2	1	3				
Total . . . . .		114	87	201	5	11	16	11	20	29	21	50	6	2
								57	40	97	6	4	10	8



TABLE 10. *Economic Condition of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			Dependent			Marginal			Comfortable			Unknown		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis . . . . .	6	1	7	3	—	3	3	1	4	—	—	—	—	—	—
With epidemic encephalitis . . . . .	1	1	2	1	1	2	—	—	—	—	—	—	—	—	—
Alcoholic psychoses . . . . .	7	1	8	—	—	—	4	1	5	3	—	3	—	—	—
Due to drugs, etc. . . . .	1	—	1	—	—	—	1	—	1	—	—	—	—	—	—
Traumatic psychoses . . . . .	1	—	1	—	—	—	1	—	1	—	—	—	—	—	—
With cerebral arteriosclerosis . . . . .	15	13	28	5	2	7	7	5	12	3	6	9	—	—	—
With other disturbances of circulation . . . . .	—	1	1	—	1	1	—	—	—	—	—	—	—	—	—
With convulsive disorders (epil.) . . . . .	1	1	2	—	—	—	1	1	2	—	—	—	—	—	—
Senile psychoses . . . . .	9	11	20	4	2	6	2	6	8	3	2	5	—	1	1
Involuntional psychoses . . . . .	4	3	7	—	1	1	3	2	5	1	—	1	—	—	—
Due to other metabolic diseases, etc. . . . .	5	2	7	2	—	2	2	1	3	1	—	1	—	1	1
With organic changes of nervous system . . . . .	8	2	10	3	1	4	5	1	6	—	—	—	—	—	—
Psychoneuroses . . . . .	3	4	7	—	2	2	2	1	3	1	1	2	—	—	—
Manic-depressive psychoses . . . . .	14	11	25	2	1	3	11	8	19	1	2	3	—	—	—
Dementia praecox . . . . .	32	23	55	5	3	8	25	17	42	2	3	5	—	—	—
Paranoia and paranoid conditions . . . . .	4	3	7	2	—	2	2	2	4	—	1	1	—	—	—
With psychopathic personality . . . . .	—	3	3	—	2	2	—	1	1	—	—	—	—	—	—
With mental deficiency . . . . .	3	7	10	—	4	4	2	2	4	1	1	2	—	—	—
Total . . . . .	114	87	201	27	20	47	71	49	120	16	16	32	—	2	2

TABLE 11. *Use of Alcohol by First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			Abstinent			Temperate			Intemperate			Unknown		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis . . . . .	6	1	7	—	—	—	4	1	5	1	—	1	1	—	1
With epidemic encephalitis . . . . .	1	1	2	1	1	2	—	—	—	—	—	—	—	—	—
Alcoholic psychoses . . . . .	7	1	8	—	—	—	—	—	—	7	1	8	—	—	—
Due to drugs, etc. . . . .	1	—	1	—	—	—	1	—	1	—	—	—	—	—	—
Traumatic psychoses . . . . .	1	—	1	—	—	—	1	—	1	—	—	—	—	—	—
With cerebral arteriosclerosis . . . . .	15	13	28	6	7	13	3	6	9	5	—	5	1	—	1
With other disturbances of circulation . . . . .	—	1	1	—	1	1	—	—	—	—	—	—	—	—	—
With convulsive disorders (epil.) . . . . .	1	1	2	1	1	2	—	—	—	—	—	—	—	—	—
Senile psychoses . . . . .	9	11	20	4	8	12	3	2	5	2	1	3	—	—	—
Involuntional psychoses . . . . .	4	3	7	3	3	6	1	—	1	—	—	—	—	—	—
Due to other metabolic diseases, etc. . . . .	5	2	7	1	1	2	1	—	1	3	—	3	—	1	1
With organic changes of nervous system . . . . .	8	2	10	4	1	5	1	—	1	3	1	4	—	—	—
Psychoneuroses . . . . .	3	4	7	1	2	3	2	2	4	—	—	—	—	—	—
Manic-depressive psychoses . . . . .	14	11	25	4	10	14	5	1	6	5	—	5	—	—	—
Dementia praecox . . . . .	32	23	55	16	15	31	12	5	17	4	3	7	—	—	—
Paranoia and paranoid condition . . . . .	4	3	7	1	1	2	2	1	3	1	—	1	—	1	1
With psychopathic personality . . . . .	—	3	3	—	—	—	—	3	3	—	—	—	—	—	—
With mental deficiency . . . . .	3	7	10	3	7	10	—	—	—	—	—	—	—	—	—
Total . . . . .	114	87	201	45	58	103	36	21	57	31	6	37	2	2	4



TABLE 12. Marital Condition of First Admissions Classified with Reference to Principal Psychoses

Psychoses	Total			Single			Married			Widowed			Divorced			Separated		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis . . . . .	6	1	7	2	-	2	3	1	4	1	-	1	-	-	-	-	-	-
With epidemic encephalitis . . . . .	1	1	2	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-
Alcoholic psychoses . . . . .	1	7	8	2	2	4	3	2	5	2	2	4	-	-	-	-	1	1
Due to drugs, etc. . . . .	1	-	1	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
Traumatic psychoses . . . . .	1	-	1	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
With cerebral arteriosclerosis . . . . .	15	13	28	2	3	5	6	3	9	6	7	13	1	1	-	-	-	-
With other disturbances of circulation . . . . .	-	1	1	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
With convulsive disorders (epilepsy) . . . . .	1	1	2	-	-	-	1	1	2	-	-	-	-	-	-	-	-	-
Senile psychoses . . . . .	9	11	20	4	4	8	1	1	2	4	6	10	-	-	-	-	-	-
Involuntary psychoses . . . . .	4	3	7	1	1	2	3	1	4	1	1	2	-	-	-	-	-	-
Due to other metabolic diseases, etc. . . . .	5	2	7	2	1	3	2	1	3	-	-	-	-	-	-	-	-	-
With organic changes of nervous system . . . . .	8	2	10	5	1	6	2	1	3	1	1	2	-	-	-	1	-	1
Psychoneuroses . . . . .	3	4	7	1	4	5	1	-	1	1	-	1	1	1	-	-	-	-
Manic-depressive psychoses . . . . .	14	11	25	7	8	15	5	6	11	-	-	-	-	-	-	-	-	-
Dementia praecox . . . . .	32	23	55	24	11	35	7	11	18	1	1	2	1	1	2	1	1	2
Paranoia and paranoid conditions . . . . .	4	3	7	1	1	2	1	1	2	2	1	3	-	-	-	-	-	-
With psychopathic personality . . . . .	-	3	3	-	3	3	-	-	-	-	-	-	-	-	-	-	-	-
With mental deficiency . . . . .	3	7	10	3	7	10	-	-	-	-	-	-	-	-	-	-	-	-
Total . . . . .	114	87	201	56	37	93	37	29	66	16	17	33	4	3	7	1	1	2





TABLE 13. *Mental Disorders of All Admissions, All Discharges, All Deaths, 1935, All Cases in Residence and All Cases Out on September 30, 1935, by Status of Admission and Sex — Concluded*

MENTAL DISORDERS	ALL ADMISSIONS			ALL DISCHARGES			ALL DEATHS		RESIDENT POPULATION			PATIENTS OUT ON VISIT, ETC			
	First Admissions		Read-missions	First Admissions		Read-missions	First Admissions		First Admissions		Read-missions	First Admissions		Read-missions	
	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	
Paranoia . . . . .	—	3	7	—	—	—	—	—	—	—	—	—	—	—	
Paranoid conditions . . . . .	4	3	2	1	3	—	—	—	—	1	2	1	2	3	
With psychopathic personality . . . . .	—	4	4	1	2	—	—	—	—	1	10	11	2	1	
With mental deficiency: . . . . .															
Idiot . . . . .	—	1	1	—	—	—	—	—	—	—	5	5	—	1	
Imbecile . . . . .	—	5	5	—	—	—	—	—	—	8	22	30	4	12	
Moron . . . . .	4	1	5	—	—	—	—	—	—	6	—	6	1	4	
Unknown . . . . .	—	—	—	—	—	—	—	—	—	—	11	11	—	—	
Without Psychosis: . . . . .															
Alcoholism . . . . .	8	—	8	1	1	8	1	1	—	—	—	—	—	—	
Psychopathic Personality: . . . . .															
With pathological emotionality . . . . .	1	—	1	4	4	1	4	1	5	—	—	—	—	—	
Epilepsy . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Mental deficiency: . . . . .															
Imbecile . . . . .	—	—	—	—	—	1	—	—	—	—	2	2	—	—	
Moron . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Other non-psychotic diseases or conditions . . . . .	—	—	—	—	1	1	—	—	—	—	—	—	—	—	
No other conditions . . . . .	3	1	4	—	—	3	1	4	—	—	—	—	—	—	
Grand Total . . . . .	142	95	237	22	35	57	63	47	110	29	14	43	39	35	74
													193	270	463
													376	410	786
													10	7	17

NOTE: — Admissions and discharges do not include transfers.



TABLE 14. *Discharges of Patients Classified with Reference to Principal Psychoses and Condition on Discharge*

PSYCHOSES	Total			Recovered			Improved			Unimproved		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis . . . . .	1	1	2	—	—	—	1	1	2	—	—	—
With other forms of syphilis . . . . .	1	—	1	—	—	—	1	—	1	—	—	—
Alcoholic psychoses . . . . .	12	1	13	4	—	4	8	1	9	—	—	—
With cerebral arteriosclerosis . . . . .	—	1	1	—	—	—	—	—	—	—	1	1
Senile psychoses . . . . .	1	2	3	—	—	—	1	1	2	—	1	1
Involucional psychoses . . . . .	1	3	4	—	2	2	1	1	2	—	—	—
With organic changes of nervous system . . . . .	2	—	2	—	—	—	1	—	1	1	—	1
Psychoneuroses . . . . .	2	1	3	—	—	—	2	1	3	—	—	—
Manic-depressive psychoses . . . . .	13	17	30	8	4	12	5	12	17	—	1	1
Dementia praecox . . . . .	17	19	36	—	2	2	10	14	24	7	3	10
Paranoia and paranoid conditions . . . . .	1	—	1	—	—	—	1	—	1	—	—	—
With psychopathic personality . . . . .	2	4	6	1	—	1	1	3	4	—	1	1
With mental deficiency . . . . .	1	1	2	—	—	—	1	—	1	—	1	1
Total . . . . .	54	50	104	13	8	21	33	34	67	8	8	16

TABLE 15. *Hospital Residence during This Admission of Court First Admissions Discharged during 1935*

PSYCHOSES	Number			Average Net Hospital Residence in Years		
	M.	F.	T.	M.	F.	T.
With other forms of syphilis . . . . .	1	—	1	.79	—	.79
Alcoholic psychoses . . . . .	10	1	11	.72	1.50	.79
With cerebral arteriosclerosis . . . . .	—	1	1	—	.04	.04
Senile psychoses . . . . .	1	2	3	.37	.85	.69
Involucional psychoses . . . . .	1	3	4	1.50	2.97	2.58
With organic changes of nervous system . . . . .	1	—	1	.54	—	.54
Psychoneuroses . . . . .	1	1	2	.79	.46	.63
Manic-depressive psychoses . . . . .	8	13	21	1.18	1.18	1.18
Dementia praecox . . . . .	11	15	26	1.46	.82	1.09
Paranoia and paranoid conditions . . . . .	1	—	1	.71	—	.71
With psychopathic personality . . . . .	2	4	6	.94	.99	.97
With mental deficiency . . . . .	1	1	2	1.50	.04	.77
Total . . . . .	38	41	79	1.09	1.08	1.08

TABLE 16. Causes of Death of Patients Classified with Reference to Principal Mental Disorders

CAUSES OF DEATH	Total			With syphilitic meningoenzephalitis		With other forms of syphilis		Alcoholic psychoses		With cerebral arterio-sclerosis		With other disturbances of circulation		With convulsive disorders (epilepsy)	
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
<i>Infectious and Parasitic Diseases:</i>															
Tuberculosis of the respiratory system	4	3	7	-	-	-	-	-	-	-	-	-	-	-	-
Purulent infection, septicaemia (non-puerperal)	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
<i>Cancer and Other Tumors:</i>															
Cancer and other malignant tumors	8	1	9	-	-	-	-	1	1	1	-	-	-	-	-
<i>Rheumatic Diseases, Nutritional Diseases, Diseases of the Endocrine Glands and Other General Diseases:</i>															
Diabetes	-	1	1	-	-	-	-	-	-	-	1	1	-	-	-
<i>Diseases of the Nervous System and Organs of Special Sense:</i>															
Encephalitis (non-epidemic)	-	1	1	-	-	-	-	-	-	-	1	1	-	-	-
Cerebral embolism and thrombosis	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
General paralysis of the insane	1	1	2	-	1	1	-	-	-	-	-	-	-	-	-
Dementia praecox and other psychoses	1	-	1	-	-	-	-	1	1	-	-	-	-	-	-
Other diseases of the nervous system	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
<i>Diseases of the Circulatory System:</i>															
Acute endocarditis	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Chronic endocarditis (valvular disease)	-	4	4	-	-	-	-	-	-	-	2	2	-	-	-
Diseases of the myocardium	11	10	21	-	-	-	-	1	1	6	3	9	-	1	1
Diseases of the coronary arteries and angina pectoris	1	-	1	-	-	-	-	1	1	-	-	-	-	-	-
Other diseases of the heart	3	-	3	-	-	-	-	-	-	1	-	1	-	-	-
Arteriosclerosis	3	4	7	-	-	-	-	-	-	3	3	6	-	-	-
Other diseases of the arteries	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
<i>Diseases of the Respiratory System:</i>															
Bronchitis	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Bronchopneumonia (including capillary bronchitis)	1	2	3	-	-	-	-	-	-	1	1	2	-	-	-
Lobar pneumonia	4	1	5	1	1	2	-	-	-	1	1	-	-	1	1
<i>Diseases of the Digestive System:</i>															
Appendicitis	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Biliary calculi and other diseases of the gall bladder and biliary passages	1	2	3	-	-	-	-	-	-	-	-	-	-	-	-
Pertinitis	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
<i>Diseases of the Genito-Urinary System:</i>															
Nephritis (acute, chronic and unspecified)	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Sexuality	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
<i>Violent and Accidental Deaths:</i>															
Suicide	2	2	4	-	-	-	-	-	-	-	-	-	-	-	-
Conflagration and accidental burns	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Total	46	35	81	1	1	2	1	-	1	13	11	24	-	1	1



TABLE 17. Age of Patients at Time of Death Classified with Reference to Principal Psychoses

PSYCHOSES	Total			15-19 years		20-24 years		25-29 years		30-34 years		35-39 years		40-44 years		45-49 years		
				M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
With other forms of syphilis	1	4	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alcoholic psychoses	13	11	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With cerebral arteriosclerosis	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With other disturbances of circulation	3	7	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With convulsive disorders (epilepsy)	6	2	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Senile psychoses	2	3	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Involutional psychoses	3	5	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Due to other metabolic diseases, etc.	11	6	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With organic changes of nervous system	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
Manic-depressive psychoses	2	3	5	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
Dementia praecox	11	6	17	-	-	-	-	-	-	-	-	-	-	-	-	2	2	2
With psychopathic personality	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
Total	46	35	81	-	1	1	-	-	3	-	3	2	-	2	-	4	2	6

PSYCHOSES	50-54 years			55-59 years		60-64 years		65-69 years		70-74 years		75-79 years		80-84 years		85 years and over		
				M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	-	-	-	1	-	1	-	-	1	-	-	-	-	-	-	-	-	-
With other forms of syphilis	-	-	-	2	1	3	-	3	1	-	1	2	3	1	1	3	1	4
Alcoholic psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With cerebral arteriosclerosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With other disturbances of circulation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With convulsive disorders (epilepsy)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Senile psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Involutional psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Due to other metabolic diseases, etc.	1	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With organic changes of nervous system	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manic-depressive psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dementia praecox	1	2	3	1	1	2	-	1	1	2	-	-	-	-	-	1	1	1
With psychopathic personality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	2	5	7	4	2	6	9	2	11	4	5	9	6	3	9	5	5	10



TABLE 18. *Total Duration of Hospital Life of Patients Dying in Hospital Classified According to Principal Psychoses*

PSYCHOSES	Total			Less than 1 month		1-3 months		4-7 months		8-12 months		1-2 years		3-4 years	
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	1	1	2	-	-	-	-	-	-	-	1	1	-	1	1
With other forms of syphilis	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-
Alcoholic psychoses	4	4	8	2	2	-	-	-	-	-	-	-	1	-	-
With cerebral arteriosclerosis	13	11	24	4	4	8	5	4	9	-	-	2	1	1	2
With other disturbances of circulation	-	1	1	-	-	-	1	1	1	-	-	-	-	-	3
With convulsive disorders (epilepsy)	-	1	1	-	-	-	1	1	1	-	-	-	-	-	-
Senile psychoses	3	7	10	-	1	1	3	3	6	-	-	-	-	-	2
Involutional psychoses	-	1	1	-	-	-	-	-	-	-	-	1	1	-	-
Due to other metabolic diseases, etc.	-	6	2	3	1	4	1	1	1	-	-	-	-	-	-
With organic changes of nervous system	-	2	1	3	-	-	-	2	1	3	-	-	-	-	-
Manic-depressive psychoses	3	5	8	-	-	-	-	1	1	-	-	2	2	4	-
Dementia praecox	11	6	17	-	-	-	1	1	1	-	-	2	2	1	2
With psychopathic personality	1	-	1	-	-	-	-	-	-	-	-	1	-	-	-
Total	46	35	81	9	6	15	12	8	20	-	1	1	8	4	12

PSYCHOSES	5-6 years			7-8 years		9-10 years		11-12 years		13-14 years		15-19 years		20 years and over	
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With other forms of syphilis	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-
Alcoholic psychoses	-	-	-	1	1	-	-	-	-	-	-	1	-	-	-
With cerebral arteriosclerosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With other disturbances of circulation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With convulsive disorders (epilepsy)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Senile psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Involutional psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Due to other metabolic diseases, etc.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With organic changes of nervous system	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-
Manic-depressive psychoses	-	-	-	1	1	-	-	-	-	1	1	-	-	1	1
Dementia praecox	-	-	-	1	1	-	4	2	6	-	-	1	1	1	2
With psychopathic personality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	1	1	2	3	1	4	4	2	6	1	1	1	1	2	3

TABLE 19. *Average of Length of Hospital Residence during the Present Admissions of All First Admission Cases in Residence on September 30, 1935*

PSYCHOSES	Number			Average Net Hospital Residence in Years		
	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	23	8	31	5.14	4.37	4.94
With other forms of syphilis	9	1	10	6.83	1.50	6.30
With epidemic encephalitis	1	2	3	.45	.98	.80
Alcoholic psychoses	44	5	49	7.13	6.09	7.03
Due to drugs, etc.	1	—	1	.45	—	.45
Traumatic psychoses	1	—	1	7.50	—	7.50
With cerebral arteriosclerosis	21	24	45	1.82	3.48	2.71
With convulsive disorders (epilepsy)	4	8	12	3.75	6.12	5.33
Senile psychoses	18	28	46	3.81	4.56	4.27
Involuntional psychoses	9	15	24	2.04	3.09	2.70
Due to other metabolic diseases, etc.	3	2	5	5.50	3.98	4.89
With organic changes of nervous system	17	10	27	3.72	4.69	4.08
Psychoneuroses	3	8	11	.45	3.35	2.56
Manic-depressive psychoses	32	29	61	3.77	4.76	4.24
Dementia praecox	165	202	367	5.76	5.83	5.80
Paranoia and paranoid conditions	10	18	28	4.58	3.10	3.63
With psychopathic personality	1	10	11	7.50	4.89	5.12
With mental deficiency	14	38	52	6.49	5.94	6.09
Without psychoses	—	2	2	—	3.00	3.00
Total	376	410	786	5.73	5.99	5.87

TABLE 19A. *Average Length of Hospital Residence during the Present Admission of All Readmission Cases in Residence on September 30, 1935*

PSYCHOSES	Number			Average Net Hospital Residence in Years		
	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	14	3	17	8.43	9.83	8.68
With other forms of syphilis	1	—	1	7.50	—	7.50
Alcoholic psychoses	10	4	14	14.10	4.74	11.43
With cerebral arteriosclerosis	2	—	2	3.98	—	3.98
With convulsive disorders (epilepsy)	6	2	8	3.83	4.50	3.99
Senile psychoses	—	4	4	—	7.50	7.50
Involuntional psychoses	2	15	17	.98	7.49	6.72
Due to other metabolic diseases, etc.	—	1	1	—	17.50	17.50
With organic changes of nervous system	2	5	7	8.00	6.90	7.21
Psychoneuroses	1	1	2	.45	7.50	3.98
Manic-depressive psychoses	27	38	65	7.24	6.51	6.81
Dementia praecox	112	170	282	11.99	12.18	12.10
Paranoia and paranoid conditions	4	11	15	6.24	7.22	6.96
With psychopathic personality	2	5	7	3.98	6.60	5.78
With mental deficiency	9	9	18	10.83	12.06	11.44
Without psychoses	1	2	3	17.50	3.98	8.48
Total	193	207	463	10.37	10.40	10.39

TABLE 20. *Family Care Statistics for Year Ended September 30, 1935*

	Males	Females	Total
Remaining in Family Care September 30, 1934	—	1	1
On Visit from Family Care September 30, 1934	—	—	—
Admitted to Family Care during the year	1	4	5
Whole Number of Cases within the year	1	5	6
Discharged from Family Care within the year:	—	3	3
Returned to Institution	—	3	3
Remaining in Family Care September 30, 1935	1	2	3
On Visit from Family Care September 30, 1935	—	—	—
Average Daily Number in Family Care during year:	1	1.71	2.71
Private	1	1	2
Self-supporting	—	2	2

The Commonwealth of Massachusetts

75th

ANNUAL REPORT

OF THE

TRUSTEES

OF THE

Mass. FOXBOROUGH STATE HOSPITAL (Insane.)

FOR THE

YEAR ENDING NOVEMBER 30,

1936

DEPARTMENT OF MENTAL DISEASES



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EAST GARDNER, MASS.

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# FOXBOROUGH STATE HOSPITAL

(Post Office Address: Foxborough, Mass.)

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——— *Assistant Physician*.  
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MR. CHARLES H. THURSTON, *Head Farmer*.  
MR. GEORGE CLARK, *Maintenance Foreman*.  
MISS ELIZABETH L. MOSELEY, *Head Psychiatric Social Worker*.  
MISS MILDRED J. SHANNON, *Principal Clerk and Stenographer*.  
MISS MILDRED F. STUART, *Head Occupational Therapist*.  
MR. HENRY A. TURNER, *Head Industrial Therapist*.  
MISS CATHERINE MULLANE, *Head Institutional Housekeeper*.  
MISS MARY WELSH, *Dietitian*.  
MISS ILA P. JACKSON, R.N., *Superintendent of Nurses and Principal of Training School*.  
MR. ALBERT D. KELLY, *Chief Male Supervisor*.

## TRUSTEES' REPORT

*To His Excellency the Governor and the Honorable Council:*

The Trustees of the Foxborough State Hospital have the honor to submit herewith their forty-fifth annual report covering the year ended November 30, 1936.

During the year the meetings were attended by a majority of the members at which the activities of the institution were freely discussed and plans for its future development considered. The hospital was visited frequently by members of the Board.

The term of office of Mr. Horace A. Keith expired in February of this year. During the period of his service as a Trustee Mr. Keith regularly attended the meetings of the Board and took a marked interest in the affairs of the hospital.

We deeply regret to report the death of Mr. Charles A. Littlefield of Lynn on April 23, 1936. Mr. Littlefield was a member of the Board from May 12, 1920, and during the whole of this period was a regular attendant at the meetings and spent a good deal of his time in furthering the interests of the institution. For many years he served as Chairman of the Board. We would take this opportunity of expressing our deep appreciation of the services rendered by Mr. Littlefield and of his noble and unselfish character so evident throughout his many years of service.

His Excellency, Governor James M. Curley, appointed Mr. William J. Bulman of Brockton and Mr. Noel C. King of Holbrook to fill the vacancies.

The work begun in 1935 on certain P.W.A. projects was completed as follows:

*Laundry Building:* For some time it was increasingly difficult for the laundry work of the institution to be done in the old building where there was marked deficiency of space and a lack of equipment. The new building is of one story,



spacious, well lighted, well heated and ventilated and there is sufficient additional equipment to do the large amount of work required.

*Building for Tuberculous Patients:* Much needed facilities for the proper segregation and special care of this group of patients became available with the completion of this building. It was planned with a view to providing the best possible care for mental cases suffering from tuberculosis regardless of the type of mental disease. It has a suitable location on high land remote from the other buildings and we feel sure its use will add greatly to the comfort of this group of patients who of necessity must remain for extended periods under treatment.

*Day Spaces and Verandas, Male Wards:* The widening of the day spaces of six of the ward buildings and the addition of a veranda to each has made much easier the care of the patients and increased their opportunity to be in the open air.

*Filter Beds:* The rapid increase in the size of the hospital made necessary additional facilities for disposal of sewage. There was a large area of suitable land immediately adjacent to existing beds and on this there were built ten additional beds of first class construction.

Another P.W.A. project now nearing completion is one providing for alterations to the powerhouse with the installation of three new boilers and a steam driven generator to provide alternating current to supply light and power.

Under special appropriations made by the Commonwealth the sum of \$8,000 was used for the installation of a sprinkler system in the attics and basements of ward buildings B, D, and E and the purchase of additional hose and extinguishers. One of \$10,000 is being expended for the construction of a hydrotherapeutic suite for women and one of \$9,000 for the replacement of window guards on the windows of certain ward buildings. Further information concerning these projects will be found elsewhere in the report of the Superintendent of the hospital.

To keep pace with the growth of the institution several additional projects are still much needed. Much of the original dining room and kitchen equipment will soon need replacement at considerable expense. We recommend the installation of a cafeteria with certain necessary additions and alterations to the service building as we believe that the present number of patients and employees can be best served in this manner and provision could be made more easily for the further expansion of the institution. The larger number of employees made necessary by the forty-eight hour a week law has required many employees to live outside the institution and to receive money in lieu of maintenance. We recommend the construction of a building with one section to provide living quarters for women of the medical and administrative groups and another for those of the female nursing service. Alterations and additions to Building O are needed to render the building fireproof and provide suitable facilities for the care of women of the disturbed type.

We again recommend the purchase of certain parcels of land adjoining Payson Road and Chestnut Street to obtain land for expansion of the hospital and eliminate the present danger to patients due to automobile traffic on these two public highways passing through the grounds of the hospital in close proximity to ward buildings. Other needs to be mentioned and requiring smaller sums are remodelling of old Assembly building for use as a vegetable storehouse, a sprinkler system for Building C, relocation of hydrotherapeutic suite for men, and construction of a new piggery and hennery at the Colony Farm.

Detailed statements of the administration of the hospital will be found in subjoined reports of the Superintendent and Treasurer.

Respectfully submitted,

THOMAS J. SCANLAN  
JEANNETTE C. CHISHOLM  
BENNET B. BRISTOL

WILLIAM J. BULMAN  
NOEL C. KING  
CLAIRE H. GURNEY

WILLIAM H. BANNON

Trustees.

## SUPERINTENDENT'S REPORT

*To the Trustees of the Foxborough State Hospital:*

The forty-fifth annual report of the Superintendent of the Foxborough State Hospital for the year ending November 30, 1936 is herewith respectfully submitted. The statistical tables contained herein are for the year ending September 30, 1936.

### MOVEMENT OF POPULATION

On September 30, 1936, the census of the hospital was as follows: On the wards, men 584; women 696; total, 1,280; on parole or otherwise absent, men, 50; women, 65; total, 115. The total number of patients in the care of the hospital was 1,395 of whom 634 were men and 761 women.

On October 1, 1935, there were on the books of the hospital 618 men, 722 women, total, 1,340. First admission by Regular Court Commitment as insane, 89 men, 105 women; for Temporary Care, 8 men, 1 woman; for Observation Care, 12 men, 3 women. Voluntary, 1 man; 1 woman. The total of all first admissions were 110 men, 110 women. Readmissions, by Regular Court Commitment, 12 men, 21 women; by Voluntary Commitment 0 men, 0 women; for Temporary Care, 4 men, 0 women; for Observation Care, 8 men, 5 women. Total of all readmissions were 24 men, 26 women. Transfers from other hospitals for mental diseases, by Regular Court Commitment, 7 men, 9 women. Total of all transfers were 16.

There was a total of 286 patients received during the year.

The average daily number of Ex-service patients was, 33.496 men, 1.000 women; total, 34.496.

In the final section of this report there is complete information concerning the movement of population and statistical tables as adopted by the American Psychiatric Association, Prescribed by the Massachusetts Department of Mental Diseases.

### MEDICAL SERVICE

*Changes in personnel:* — Dr Anne L. Clark, Assistant Physician, who had been in charge of the work of the school clinic, resigned on May 31, 1936, to take special work in Psychiatry in the Psychiatric Institute Hospital in New York City. During the balance of the year the work of the School Clinic was carried on by Dr. Morris L. Sharp.

### EMPLOYEES

On November 30, 1936, the employee personnel was as follows: — Men 154; women, 153; total, 307. During the year a total of 115 left the service and a total of 127 joined the service; 18 were added to the number of employees because of the gradual increase in patient population and to make possible the opening of the new building for tuberculous patients.

### MEDICAL AND SURGICAL CARE

Major operations were performed by the following members of the visiting staff: Dr. Thomas J. Scanlan, Dr. Lawrence J. Louis, Dr. William J. MacDonald, Dr. Wallace Haley and Dr. Russell J. Sullivan, assisted by members of the Hospital Staff who also performed a considerable number of operations throughout the year. All new employees and patients were vaccinated and those of suitable age were given typhoid inoculation. There were 147 lumbar punctures and 71 patients were given anti-syphilitic treatments of which 39 were intramuscular and 32 intravenous.

### STAFF CONFERENCES

Throughout the year daily conferences were held as usual with presentation of all new admissions for discussion, diagnosis and disposition. All patients were examined before the staff before leaving on trial visit and the records of all patients examined and passed upon before being discharged after one year of trial visit.

### PHYSIOTHERAPY AND X-RAY

The work of this department has been carried on by Miss Mary Villone, Technician. The total number of treatments given was 1,439 as follows: — Infra-red treatments, 500; massage, 309; diathermy, 121; Ultra Violet Ray (air cooled),

331; dessication, 27; muscle reeducation, 126; autocondensation, 25; total, 1,439. Number of men patients treated 32; women, 29; employees, 34; total, 95.

*X-ray.* Individuals worked on, 511; films for general work, 1,116; dental, 179.

#### HYDROTHERAPY

On February 4, 1935, Mr. Carl M. Pease, who had directed the hydrotherapy for men resigned his position. His place was taken by Mr. George W. Hennessey. He is a graduate of the Training School in Psychiatric Nursing and had a special course of training in hydrotherapy. Miss Florence MacDonald continued in the work of hydrotherapy for women. The work of this department has been greatly facilitated by the appointment of two assistant hydrotherapists.

Under a special appropriation granted in 1936 work was begun on a new hydrotherapeutic suite on the ground floor of Building O, the same to be used exclusively for the treatment of women patients. This is being equipped with the latest type of apparatus and it is planned to make very extensive use of this most important kind of therapy as soon as the installation has been completed. It is hoped that in the near future sufficient money will become available to enable us to install a similar suite on the ground floor of Building E in order to give the necessary hydrotherapy to men patients.

Lectures and demonstrations in hydrotherapy were given throughout the year to nurses in the training school and attendant nurses.

	<i>Men</i>	<i>Women</i>
Number of patients given wet-sheet packs . . . . .	82	376
Number of packs administered . . . . .	1,128	8,164
Number of hours of treatment given in wet-sheet packs . . . . .	3,835	27,342½
Number of patients given continuous baths . . . . .	62	213
Number of bath treatments given . . . . .	1,105	6,585
Number of hours of continuous bath treatments given . . . . .	7,985	21,885
Number of tonic bath patients . . . . .	9	26
Number of tonic bath treatments . . . . .	35	1,046

#### OCCUPATIONAL THERAPY

Miss Mildred F. Stuart, with two assistants, has carried on the work of the Occupational Therapy Department.

Remodeling of day spaces in certain of the buildings made available additional space on the ground floor which is now devoted to class-rooms for work in Occupational Therapy, and a reading room and library. The growth of the library is worthy of special comment because of the great amount of interest taken in it by both patients and employees. A good deal of effort has been expended in interesting the largest number of patients possible in the reading of both books and magazines. The total circulation for the year was 8,150 volumes. The average number of patient readers per month was 250; average number of employee readers was 100. Sufficient books were purchased to maintain the inventory.

The Occupational Department has assisted quite materially in the entertaining of the patients and supervising exercise in the open air. A number of parties for patients were given, in addition to the usual Fourth of July entertainment and Christmas activities. A regular program of Occupational Therapy classes has continued throughout the year, conducted in the work-rooms and on the various wards. A certain number of the patients were encouraged to work at the cultivation of flowers. Under the supervision of the Occupational Therapy Department a large group of women manufactured many useful articles for the hospital and did the necessary mending. The following articles were made during the course of the year: 91 pairs curtains, 11 doz. pillows, 1 magazine rack, 14 woven rugs, 52 braided rugs, 13 shoulderettes, 23 sweaters, 24½ dozen runners, 6 tray cloths, 10 cretonne chair backs, 1 woven bed spread, 2 doz. dish towels, 2 wall hangings, 1-13 pc. luncheon set, 15 doz. knitted face cloths, 33½ doz. towels, 6 hot dish mats, 9 special runners.

#### WOMEN'S INDUSTRIAL

Director: Mrs. Theresa Boyden. A sufficient number of articles were manufactured to meet the needs of the institution in this respect. They are as follows: — 66½ doz. aprons, 16 doz. belts, 12 rolls bandages, 44 doz. bed gowns, 5 doz. bed



jackets, 5 doz. tea bags, 6 pastry bags,  $11\frac{1}{2}$  doz. canvas bags,  $20-\frac{1}{3}$  doz. personal laundry bags, 1 doz. covers hydro-tub,  $1\frac{1}{2}$  doz. bread covers, 3 extractor covers,  $36\frac{1}{2}$  doz. board covers, 40 pair sash curtains, 102 pr. drapery curtains, 6 shower curtains, 22 doz. combinations,  $5\frac{1}{2}$  doz. coats,  $59-\frac{1}{2}$  doz. dresses, 9 doz. pair garters, 30 doz. mattress ticks,  $62\frac{1}{2}$  doz. night dresses, 20 doz. napkins, 12 doz. pillow ticks, 10 doz. pan holders,  $259\frac{1}{2}$  doz. pillow cases, 187 doz. sheets,  $103-\frac{3}{4}$  doz. pack sheets, 8 doz. shroud sheets,  $8\frac{1}{2}$  doz. rubber sheets,  $1\frac{1}{2}$  doz. surgical gowns, 15 doz. surgical supplies, 2 doz. smocks, 32 doz. spreads, 14 shrouds, 929 doz. towels,  $29\frac{1}{2}$  doz. tablecloths, 19 pair tiebacks, 20 valances, 89 window shades.

#### MEN'S INDUSTRIAL

Director: Mr. Henry A. Turner. In addition to manufacturing and repairing furniture and numerous other articles the canning of vegetables for the institution was done in this department. The articles are as follows:—

Made:—296 corn brooms, 1 long-handled floorbrush, 1 long-handled scrub brush, 3 nail brushes, 918 yds. toweling woven, 289 mattresses, 330 pillows, 151 window shades, 4 carving boards, 2 radio curtains, 1 table, 8 music racks, 2 test boards, 1 bulletin board, 1 wash-board, 1 swab, 1 microscopic slide cabinet, 6 shelves, 1 operating room sponge holder, 1 hammer handle, 1 coat rack, 8 kitchen paddles, 1 hair-chair, 1 block printing press, 3 garden benches, 12 ceiling brushes, 1 coat-tree, 6 curtain rods, 2 visitors' card cabinets, 1 tooth brush rack, 1 hymn-book cabinet, 2 telephone stands, 3 wooden boxes, 2 terazzo rollers, 1 squidgee, 1 door check, 1 bus step, 1 tar ladle, 1 foot cabinet, 9 feather pillows, 1 fracture cradle, 2 kitchen kettle stools, 1 set dish washer curtains, 2 screw drivers, 1 kitchen mixture cabinet, 1 round table made for staff dining room, 2 costumers, 2 garden stakes, 4 wooden paddles, 3 butter mallets, 1 ash-tray mold, 1 card-file, 1 pulley, 2 trailer covers, 36 razor blade containers.

Repaired:—725 nailed sole shoes, 362 stitched sole shoes, 886 shoes heeled, 506 shoes patched, 224 leather articles, 133 brushes, 368 handles reconditioned, 1 horse shovel, 1 horse shovel rehandled, 4 lawn clippers, 15 prs. clippers resharpened, 2 axes rehandled, 3 hog-scrapers rehandled, 17 saws filed, 43 knives sharpened, 14 scissors sharpened, 15 lawn rakes, 1 pr. artificial legs, 1 artificial limb, 4 trusses, 1 suitcase, 11 sprays, 3 plumbers plungers, 8 ladders, 237 bowling pins refaced, 1 ice cream freezer, 55 prs. spectacles, 18 doz. bed feet turned, 8 ceiling rosettes turned, 33 clocks, 9 books drilled for binding, 1 cornet mute, 1 bass viol, 1 microtome, 1 chart mounted, 10 scenery covered and painted, 1 blackboard, 1 rug, 4 desks, 10 book cases, 1 bureau, 2 sewing machines, 8 upholstered chairs, 5 invalid chairs, 18 metal chairs refooted, 243 chairs scraped, 28 chairs re-caned, 1,197 chairs, 31 benches, 1 davenport, 1 couch upholstered, 2 foot stools, 40 tables, 5 tables scraped, 506 pcs. furniture refinished, 61 drawers, 1 file cabinet, 3 card files, 1 kitchen truck, 1 bedside screen, 25 pictures framed, 142 window shades, 1 chair spring, 2 dipper handles, 202 mop pails, 6 floor polishers, 1 set castors installed in table, 1 coffee percolater.

Canning:—2,400 gal. string beans, 4,926 gal. tomatoes.

#### PATHOLOGICAL AND RESEARCH

The work of this department has been under the direction of Dr. David Rothchild. The laboratory has been in the charge of Mr. Charles N. Hamberg, who has been assisted by a technician and one student in laboratory technique.

Pathological Department:—During the year, nineteen autopsies were performed constituting 22.6 per cent of the deaths occurring in the hospital. The psychiatric diagnoses in these cases were as follows:—

Psychosis with cerebral arteriosclerosis, 5; senile psychosis, 3; psychosis with other somatic diseases, 3; psychosis with other brain or nervous disease, type undetermined, 2; dementia praecox, hebephrenic type, 2; dementia praecox, paranoid type, 2; involutional melancholia, 1; manic depressive, manic type, 1.

The primary cause of death as determined by post mortum examinations were as follows:—

Generalized arteriosclerosis, 5; generalized arteriosclerosis and coronary thrombosis, 1; senile demencia, 2; lobar pneumonia, 2; brain tumor, 1; intestinal obstruction with peritonitis, 1; cardio-vascular disease and cerebral softening, 1;



multiple infections (erysipelas), 1; osteomyelitis with multiple infarcts, 1; cerebral arteriosclerosis and Paget's disease of the skull, toxic encephalopathy, 1; coronary thrombosis and pulmonary tuberculosis, 1; myelitis, 1.

During the course of the year, clinicopathologic conferences were held at intervals, demonstrations of the microscopic material being given by means of projection of the stained sections. Among the interesting cases encountered, a case of Paget's Disease of the Skull and one of Myelitis might be mentioned. With respect to histological work, the year has been unusually active, brain tissues from more than fifty cases having been fixed, sectioned and stained. Part of this material was used in a paper on senile psychoses, which was finished during the first half of the year, and a large part is now being used as a basis for a paper on psychosis with cerebral arteriosclerosis. Specimens were received from the operating room and examined as usual.

#### CHEMICAL, BACTERIOLOGICAL AND SEROLOGICAL DEPARTMENTS

The routine laboratory work, consisting of complete blood counts, five urinalyses and quantitative chemical studies of the blood, has been performed on all patients admitted to the hospital. In addition, further tests were carried out at the request of the medical staff. There were 497 blood counts and 2,919 urinalyses made during the year. Blood chemical studies included the following: Blood sugar 393 determinations, non-protein nitrogen 397, calcium 97, phosphorus 101, chloride 24, urea 15, creatinine 5, uric acid 4, cholesterol 4 and serum protein 2 determinations. The work on glutathione has been continued, 716 determinations having been performed. Quantitative determinations of the bromide content of the blood were made in 11 cases.

Examinations of the spinal fluid were made in 114 cases. The usual routine tests such as cell counts, total protein determinations and colloidal gold tests were performed in all cases. The following quantitative chemical determinations were made in the spinal fluid; sugar 81, non-protein nitrogen 75, calcium 91, phosphorus 31 determinations and creatinine, uric acid, urea and chlorides, each two determinations. The distribution ratio of bromides between blood and spinal fluid was estimated in 112 cases.

During the course of the year, 44 Basal Metabolism tests, 18 examinations of feces and 9 of gastric contents were made. The sedimentation rate was determined in 19 cases and the van den Bergh test and icterus index in 11 cases. Glucose tolerance tests and other procedures were carried out at the request of the physicians.

In the bacteriological work, 110 specimens of sputum were examined and 136 miscellaneous examinations (throat cultures and smears) and 7 blood cultures were made.

The work on employees included 113 blood counts, 64 urinalyses, 12 basal metabolism tests, 42 examinations of feces and 4 of gastric contents, and 74 miscellaneous bacteriological examinations. The bleeding time and clotting time were determined in 3 cases. Blood typing was performed on 30 persons in order to determine their suitability for blood transfusions.

The weekly syphilitic treatment clinic has been held every Friday morning; 32 patients received tryparsamide and 39 received bismuth during the year. A total of 519 intravenous injections of tryparsamide and 521 intramuscular injections of bismuth were given.

The following papers have been published during the year:

"Clinicopathologic Study of Alzheimer's Disease. Relationship to Senile Conditions," by D. Rothschild and J. Kasanin, *Archives of Neurology and Psychiatry*, Volume 36, page 293, August 1936. This paper was read at the annual meeting of the American Psychiatric Association held in Washington, D.C., on May 13-17, 1935.

"Frequency of Active Tuberculosis in a Hospital for Mental Disease with Special Reference to Schizophrenia," by D. Rothschild and M. L. Sharp, *New England Journal of Medicine*, Volume 214, page 929, May 7, 1936. This paper was read at a meeting of the Massachusetts Psychiatric Society, held in December 1935.

A paper on "Pathological Changes in Senile Psychoses and their Psychobiological Significance," by D. Rothschild, was read at the annual meeting of the American Psychiatric Association, held in St. Louis, May 4-8, 1936. This paper was based

on a pathologic study of 24 cases and it is expected that it will soon be published.

At the present time a paper on "Psychoses with Cerebral Arteriosclerosis, a Clinicopathologic Study," is in course of preparation and it is hoped to present it at the next annual meeting of the American Psychiatric Association.

#### NEUROPSYCHIATRIC CLINIC

The Brockton Clinic has been held, as in past years, every Wednesday afternoon, in the Out-Patient Department of the Brockton Hospital. Physicians from the surrounding communities have continued to be the main source of supply for the clinic, referring 37% of the total number of new patients examined during the year. Social agencies referred 24 patients and school authorities 10 patients. Police or court officers referred 19 cases to the clinic, 17 of which came under Chapter 215 of the regulations governing juvenile delinquents.

During the course of the year a total of 524 visits were made to the clinic. There were 173 new cases of which 89 were male and 84 female patients. Of the total number, 61 patients were children or juveniles. There were 22 reopened cases and 29 carried over from the previous year, making a total of 220 patients who attended the clinic during the year.

In the group of 17 juvenile delinquents who were examined under Chapter 215, 1 patient was feeble-minded, 5 were of border-line intelligence, 9 were of dull normal intelligence, but none were of superior intelligence. Two patients had a reading disability. The chief problem in this delinquent group was asocial traits, such as stealing, breaking and entering, and other destructive habits, though general unruliness at home and in school was prominent in some cases.

In 30 cases the chief problem was conduct disorder in children or adolescents whose intelligence was above the feeble-minded level. Seven patients were of border-line intelligence, 9 were of dull normal, 8 of normal, and 6 were of superior intelligence. The commonest problem was general unruliness. Five members of the group showed a reading disability. In most of the patients, treatment was undertaken at the clinic and in the milder cases favorable results were frequently obtained. Some of the severer cases were referred to the Home for Little Wanderers for more intensive study and treatment.

Ten patients consisting of 5 adults and 5 children were definitely diagnosed as feeble-minded. Seven of these patients were in the moron group and 3 were classed at the imbecile level. Four patients were referred because of social difficulties, 3 were merely retarded in mental development, 2 were generally unruly in their behavior.

In 25 cases a diagnosis of neurosis or psychoneurosis was made. There were 3 cases of anxiety neurosis, 4 of traumatic neurosis and 1 of obsessional neurosis, but most of the cases were unclassified as to type because the symptoms did not clearly conform to any of the classified pictures.

In 29 cases psychoses of different types were encountered. Of this group 16 patients were on visit from the hospital and were referred to the clinic for follow-up work. Among the remaining 13 cases, 6 were regarded as belonging in the affective group, 4 were unclassified and dementia praecox, general paresis, and alcoholic psychosis were each diagnosed in one case.

Fifty-six patients showed neurological disorders. There were 5 cases of head trauma and 8 of trauma to peripheral nerves, 7 cases of cerebral arteriosclerosis, 3 of paralysis agitans, 2 of post-encephalitic Parkinsonism, 2 of acute chorea, 6 of unclassified types of spinal cord disease and a number of miscellaneous neurological conditions.

The psychological department of the Foxborough State Hospital has been of great use in carrying on the work of the clinic. A total of 73 patients were given psychological tests. Sixty-seven Stanford tests, 12 Performance tests, 6 School tests, 9 Kent-Oral tests, 1 Merrill-Palmer series, and 1 deterioration study were performed.

The Social Service Department has been of great help in the work of the clinic. The various social agencies of Brockton and the school nurses have been helpful in obtaining information and in bringing about a better adjustment of the patients.

The staff of the Brockton Hospital has continued to avail itself frequently of the facilities of the clinic. During the course of the year, 97 patients were seen in



consultation on the wards of the Brockton Hospital. As in past years a course of 8 lectures of Psychology was given to the nurses in training at the Brockton Hospital.

We desire to express our indebtedness to Dr. Hollister and the staff at the Brockton Hospital for the help and cooperation extended to us.

#### SCHOOL CLINIC

The work of the school clinics from December 1, 1935 to June 20, 1936, was carried on by Dr. Anne L. Clark, assisted by Miss Alice M. Fleming, psychometrist. From June 20 until September 15 the position of school clinic psychiatrist was unfilled. Since that date the work has been taken over by Dr. Morris L. Sharp. The school clinic histories were obtained by the local school nurses in all towns visited except one, where they were taken by the Social Service Department of the hospital. The nurses have done excellent work. The school tests are for the most part done by the psychiatrist or psychometrist, although in about 10 towns substitute or regular grade teachers have given them just in advance of, or during our clinic.

We have had excellent cooperation from teachers, principals, and school authorities in general in all towns visited. There have been many conferences with parents and teachers, promoting better understanding of the child and the clinic's function both in the school systems and in the community. All towns with the exception of one have special classes now. In several towns outstanding work is being accomplished by teachers trained in the handling of these backward children.

There has been an increasing tendency among the teachers to refer behavior and personality problems as well as retarded children for examination.

Some of these have been referred for further study and treatment to the various Child Guidance and Mental Hygiene Clinics, with satisfactory results. Many teachers and parents have been anxious for further advice on children previously examined, and one town has definitely requested something in the nature of an "adjustment clinic" which might visit the town oftener than once a year for follow-up purposes.

During the year the travelling clinic has examined children in the towns of Bellingham, Braintree, Bridgewater, Canton, Cohasset, East Bridgewater, Foxborough, Hingham, Hull, Mansfield, Mendon, Milton, Needham, Norton, Norwood, Sharon, Stoughton, Walpole, Weymouth and Wrentham.

The total number of children examined during the past year was 470; 340 boys and 130 girls. The majority of these were referred as retarded, a small percentage as presenting behavior or personality difficulties. The total number found to be feeble-minded was 132, — 81 boys and 51 girls. Most of these were recommended for special class, a very small fraction for institutional care. Seventy-nine children were found to be of average or superior intelligence, 70 boys and 9 girls. A high percentage of these were failing in school because of reading disabilities of varying degrees of severity. Many were referred to a reading clinic for expert analysis of their difficulties, and families and teachers were urged to make every effort to help them overcome this crippling disability. Several teachers were given definite directions for the handling of speech disorders. The remaining 259 fell in the dull normal and borderline groups in the proportion of 3 boys to every girl.

The psychometrist's work is done mainly in connection with the travelling school clinic. She also examines hospital cases, Briggs' Law Cases and Brockton Clinic cases. The psychometrics in addition to school clinic work done from December 1, 1935 to November 30, 1936 were as follows: —

Stanfords, 118; Performance, 23; Wells Memory, 6; Deterioration Studies, 24; Kent Oral Tests, 17; Merrill Palmer Series, 12.

#### DENTAL DEPARTMENT

Dr. Edward L. Small, has continued as resident dentist, assisted by Miss Pearl Vincent as dental hygienist.

Patients were treated as follows: Total number of patients treated, 2,815; operations performed, 1,952; fillings, 315; cleanings, 323; extractions, 881; dentures made, 43; dentures repaired, 21.

## SOCIAL SERVICE

The department has been under the direction of Miss Elizabeth L. Moseley and she has been assisted by one psychiatric social worker and two students in Social Service under the supervision of the Department of Mental Diseases.

This department has dealt during the year since December 1, 1935, with a total of 731 cases (361 male and 370 female). Of these, 446 (234 male and 212 female) were referred to the Department for the first time. This total number divides itself into two main groups: namely, those patients under commitment to the hospital, which number 516, and those persons dealt with in the community not under commitment to the hospital which number for the past year was 215. Of the 516 patients under commitment, 247 were males and 269 females. Of these patients, 260 (129 male and 131 female) were new admission to the hospital and as usual automatically taken by this Department as Social Service cases for history and investigation. At this point it is interesting to note the large number of acute cases that have been coming to the hospital during the past year; for instance, of the 260 new admissions to the hospital only 129 were admitted under regular commitment papers. There was one Five-day Emergency commitment and 1 Voluntary case, but the others were all either for ten days Temporary Care or for thirty-five days for Observation. In the last month of the fiscal year, namely November, out of 28 new admissions only 10 were regular commitments. This means, naturally, that the Social Service investigation must be made within limited time and often much more intensively than is necessary under regular commitment. The relatives or other responsible persons must be talked with in regard to further hospital arrangements, which means often that much time is spent in re-educating the family in its point of view, etc. It offers, also, at the same time, much opportunity for informal educational work along Mental Hygiene lines and we believe this to be valuable in the general handling of the situation.

There have been during the year, 166 patients out on prolonged visit from the hospital and 4 placed under Family Care through this department. Of the patients on visit, 74 were men and 92 women. All of these patients have been under the general supervision of this Department, many of them having been visited in their homes and some interviewed while reporting either at this hospital or at one of our two Out-Patient clinics. Forty-two living in the greater Boston district have been reporting at our monthly evening clinic held at the Boston Psychopathic Hospital. One member of this department always attends this clinic with the physician, and a total of 113 interviews have been held there by the worker, 68 with patients and 45 with relatives or friends accompanying them. These interviews are, of course, in addition to those held by the physician and have to do especially with the social situation in each case.

In a few of these cases, intensive social treatment has been undertaken and in attempting to help the patient in his readjustment in the community, and we wish at this point to mention the excellent cooperation we have had from many social agencies in the Boston district, whom we have consulted in regard to several of these patients and who are helping in the supervision and readjustment. The young woman whom we mentioned in our report of last year, has now been discharged from the hospital books, but is still employed at the Boston Co-operative Work Rooms, and is being helped in various ways by the local branch of the Boston Family Welfare Society.

Of the community cases, not under commitment to the hospital, the largest group has been that of patients coming to our Brockton Neuropsychiatric Clinic, which two members of this Department attend each week. There were 182 such patients dealt with in the Clinic (91 male and 91 female) and a total of 270 interviews were held, 75 with patients and 195 with other interested individuals. In a few of these cases, outside work was also attempted in the way of further investigation or social treatment. We have had again excellent cooperation from the local social agencies and in many of these cases it has seemed more feasible to work through these agencies, even in cases not already known to them. In this connection we wish to mention the Brockton Public Welfare Department, The Family Welfare Association, the Catholic Charities Center, the local chapter of the Red Cross, the Society for the Prevention of Cruelty to Children, and the Brockton School



Department, especially the attendance officer and school nurses. Many of the agencies have referred their own cases to us, have brought patients tirelessly to the Clinic, week after week as recommended, have bought medicine for them as prescribed, and held many conferences with both psychiatrists and social workers in regard to plans for these patients. These community contacts have been most helpful and interesting and we feel that the Clinic is well established and recognized as a Brockton Social Agency.

In addition considerable work was done in the Out-Patient Clinic in the obtaining of history in juvenile cases referred by the Courts.

The total number of interviews required for this work during the year was as follows:—

Interviews at hospital with relatives or other individuals . . . . .	641
Interviews with patients on the ward . . . . .	70
Visits to patients on visit from the hospital . . . . .	68
Visits to relatives of patients . . . . .	216
Visits to social agencies . . . . .	285
Visits to other interested individuals (employers, etc.) . . . . .	520
Visits to homes or others in school clinic work . . . . .	15
Interviews at Out-Patient Clinics . . . . .	385
<b>Total . . . . .</b>	<b>2,198</b>

#### TRAINING SCHOOL FOR PSYCHIATRIC NURSING

The training school has been under the direction of Miss Ila P. Jackson, R.N., assisted by Miss Margaret Moynihan, R.N.

On October 1, 1936, 6 women and 2 men were granted their diplomas. All of these graduates have remained in the nursing service of the hospital. One man was appointed to the position of hydrotherapist. There are 8 students in the class of 1937; 7 women and 1 man. In the class of 1938, there are enrolled 9 women and 4 men. Fourteen women and 10 men completed the 30 hour course for attendant nurses.

The graduating class made a gift of 7 new books to the Nurses' Library.

During the year, State and District Meetings of the American Nurses' Association and the League of Nursing Education were attended by graduates.

#### ENTERTAINMENT

The hospital orchestra has continued to furnish music for the regular dances for patients and also on special occasions. On July Fourth, the Annual Field Day was largely attended by both patients and employees who took great enjoyment in sports and games. Several picnics were held in the grove during the summer. Ex-service men were visited very frequently by members of the American Legion and the American Legion Auxiliary, Veterans of Foreign Wars and Veterans of Foreign Wars Auxiliary. As in former years they furnished entertainment and presented fruits, confectionery and many useful articles to the patients. A number of local organizations have furnished entertainments which were enjoyed by both patients and employees.

#### RELIGIOUS SERVICES

The hospital feels deeply indebted to all the clergymen for the faithful services which they have given during the year. The services were held regularly each Sunday and special observance made of Easter and Christmas.

#### LAUNDRY

In the early spring the new laundry building constructed as a P.W.A. project was completed. Equipment was removed from the old building to the new and considerable additional installed. These changes and additions have made it possible to do this highly important work with much greater efficiency. The building is spacious, well lighted, well heated and so arranged as to greatly facilitate the carrying on of this work.

The work done is listed as follows:— Small pieces, 266,815; medium pieces, 497,772; large pieces, 397,522; Total, 1,162,109.

### POWER HOUSE

In the Fall of 1935, the work of remodeling the power plant as a P.W.A. project was begun. Inasmuch as it included the replacement of the old boilers with new, a great deal of inconvenience was experienced throughout the winter in maintaining a proper supply of steam for heat and power but wards were kept at a suitable temperature. By the close of the fiscal year the work was nearing completion. The new boilers were completely installed and the new generator almost ready for operation. The many advantages to be derived from the burning of oil have already become evident.

The new refrigerating plant recently installed has been in operation for several months and is working satisfactorily. Nearly all devices using ice have been discontinued as mechanical refrigeration has been extended to wards and cottages. A new boiler with oil burner was installed in one cottage, a new steam heating system in another and an almost complete repiping of the steam heating system was done in the former laundry building when it was made over for use as a carpenter shop. A new six-inch steam line was run from the power house to the main corridor to meet the necessary demand at this point. The work is now under way on the installation of a new eight inch water main beginning at a point to the rear of the ward buildings and extending to the rear of the power plant, so located as to be readily accessible at all points and providing a convenient source of supply to all buildings adjacent to its course. Under a special appropriation a sprinkler system installation was made in the attics and basements of ward buildings B, D and E. Additional fire extinguishers were purchased and located at various points. A considerable quantity of hose was purchased for replacement. In addition to this work many repairs and replacements were made by the hospital employees.

The employees have continued to show considerable interest in the Fire Department and drills and have been held at regular intervals. Close cooperation with the local Fire Department has made it possible to take additional precautions towards any outbreak of fire and to facilitate the handling of apparatus in the event of fire actually occurring in the institution.

### REPAIR DEPARTMENT

Maintenance Foreman: Mr. George P. Clark. In addition to the routine repairs made by this department, considerable work was done by the hospital maintenance personnel under Repairs and Renewals. Part of the work consisted in putting new tar and gravel roofing on several buildings; painting the exterior of several houses and the interiors of several ward buildings. New cement walks were laid from the street to the Building T and to two of the cottages.

As W.P.A. projects rough and finished grading was done around the new laundry building and a considerable amount of loam was stripped for future grading. New metal work was done on cornices and pent houses on ward buildings B, C, D, and E.

### FARM

During the year two new tractors and additional equipment were substituted for several teams of horses and a considerable advantage has already been observed from this change. It became possible to carry on the work of clearing land much more rapidly and about five additional acres were prepared for cultivation during the coming year. The crop production was similar to that of former years with the exception of potatoes which was greatly lessened after it was found that the land could be advantageously used for other purposes. The total profits for the year after all costs of labor and material were deducted amount to \$12,333.86. Briefly summarized the products were as follows: Milk, 518,901.8 lbs.; eggs, 113,071; Vegetables: Garden produce 606,949 lbs.; potatoes, 65,714 lbs. Fruit, 21,511½ lbs. Meat: Pork, 66,404½ lbs.; poultry, 5,721 lbs. Forage crops, 106,550 lbs.

From this quantity 71,968½ lbs. were canned: String beans, 13,080½ lbs.; cabbage, 6,000 lbs.; cucumbers, 1,885 lbs.; tomatoes, 51,003 lbs.

### SPECIAL APPROPRIATIONS AND RECOMMENDATIONS

In the year 1935 the sum of \$10,000 was appropriated for the installation of a Hydrotherapeutic Suite in Building O to provide facilities for the treatment of women patients of the continued treatment type. This work was begun in the

In 1936 the sum of \$9,000 was appropriated for the replacement of window guards on day spaces of Buildings A, B, C, D, and E and the closing up of certain windows of these same buildings. At the close of the fiscal year this project was partially completed.

Building for Tuberculous Patients; appropriation made in 1935.

Details concerning these projects will be found elsewhere in this report under appropriate headings.

## ACKNOWLEDGMENTS

In the work of our school clinic and our out-patient clinic school officials and welfare organizations have cooperated with us and have rendered much valuable assistance in the carrying on of this important work.

Respectfully submitted,

Superintendent.

## November 30, 1936

<b>REAL ESTATE</b>															
Land, 352.4 acres . . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	\$35,400.00
Buildings and Betterments . . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2,375,628.70
															\$2,411,028.70



PERSONAL PROPERTY	
Travel, transportation and office expenses	\$515.75
Food	10,208.63
Clothing and materials	17,211.36
Furnishings and household supplies	201,449.99
Medical and general care	35,426.48
Heat and other plant operation	3,297.58
Farm	41,398.77
Garage and grounds	10,712.05
Repairs	16,377.46
	<hr/>
	\$336,598.07
SUMMARY	
Real estate	\$2,411,028.70
Personal property	336,598.07
	<hr/>
	\$2,747,626.77

## FINANCIAL STATEMENT

To the Department of Mental Diseases:

I respectfully submit the following report of the finances of this institution for the year ending November 30, 1936.

STATEMENT OF EARNINGS	
Board of Patients	\$50,159.78
Personal Services	130.00
Sales:	
Travel, transportation and office expenses	\$1.00
Food	614.66
Furnishings and household supplies	57.60
Medical and general care	68.85
Heat and other plant operations	15.50
Garage and grounds	36.00
Repairs ordinary	25.90
Farm:	201.90
25 young pigs, \$12.50; 25 boxes cauliflower, \$1.25; grain bags, \$5.91; horseshoes, \$25; calves, \$90.00; hides, \$41.99; horses and harnesses, \$50.00	
Total Sales	<hr/>
	\$1,021.41
Miscellaneous:	
Interest on bank balances	\$
Rents	248.00
N. E. Tel. & Tel. Company, Com.	71.66
Total Miscellaneous	<hr/>
	319.66
Total earnings for the year	<hr/>
	\$51,630.85
Total cash receipts reverting and transferred to the State Treasurer	\$51,629.75
Accounts receivable outstanding December 1, 1935	—
Accounts receivable outstanding November 30, 1936	\$1.00
Accounts receivable increased	\$1.00
MAINTENANCE APPROPRIATION	
Balance from previous year, brought forward	\$14,812.99
Appropriation, current year	529,325.00
Total	<hr/>
	\$544,137.99
Expenditures as follows:	
Personal services	\$292,076.85
Food	82,196.25
Medical and general care	10,016.15
Religious instruction	1,370.00
Farm	22,972.25
Heat and other plant operation	49,172.69
Travel, transportation and office expenses	6,199.39
Garage and grounds: garage, \$2,735.62; grounds, \$932.36	3,688.98
Clothing and material	12,998.54
Furnishings and household supplies	22,470.21
Repairs ordinary	8,529.95
Repairs and renewals	10,291.52
Total maintenance expenditures	<hr/>
	\$521,982.78
Balance of maintenance appropriation, November 30, 1936	<hr/>
	22,155.21
	<hr/>
	\$544,137.99
SPECIAL APPROPRIATIONS	
Balance December 1, 1935 brought forward	\$345,941.96
Appropriations for current year	10,200.18
Total	<hr/>
	\$356,142.14
Expended during the year (see statement below)	\$310,286.55
Reverting to Treasury of Commonwealth	310,286.55
Balance November 30, 1936, carried to next year	<hr/>
	\$45,855.59



APPROPRIATION	Act or Resolve	Total Amount Appropriated	Expended during fiscal year	Total Expended to date	Balance at end of year
Laundry building and equipment					
MSP M-8		\$105,000.00	\$34,724.81	\$104,040.53	\$959.47
Pavilion T. B. patients and verandas, MSP M-9-30		229,000.00	66,494.01	224,676.74	4,323.26
Assembly building and tunnel					
MSP M-31		131,200.18	22,901.61	130,014.49	1,185.69
Boiler house MSP M-32		184,000.00	122,828.28	158,140.25	25,859.75
Hydrotherapeutic suite equipment	1935	10,000.00	7,852.86	7,852.86	2,147.14
Fire protection	1935	8,000.00	5,878.93	5,910.23	2,089.77
Sewer Beds, MSP M-102		50,000.00	49,347.50	49,450.94	549.06
Window guards	1935	9,000.00	258.55	258.55	8,741.45
		\$726,200.18	\$310,286.55	\$680,344.59	\$45,855.59

## PER CAPITA

During the year the average number of patients has been, 1,265.792

Total cost of maintenance, \$521,982.78

Equal to a weekly per capita cost of (52 weeks to year), \$7.9303

Total receipts for the year, \$51,629.85

Equal to a weekly per capita of, \$.7844

Total net cost of Maintenance for year, \$470,352.93

Net weekly per capita, \$.71459

Respectfully submitted,

HARRIETT S. BAYLEY,

*Treasurer.*

## STATISTICAL TABLES

AS ADOPTED BY THE AMERICAN PSYCHIATRIC ASSOCIATION PRESCRIBED BY  
THE MASSACHUSETTS DEPARTMENT OF MENTAL DISEASES

TABLE 1. *General Information*

(Data correct at end of institution year November 30, 1936)

Date of opening as a hospital for mental diseases, August, 1914.

Type of hospital: State.

Hospital plant:

Value of hospital property:

Real estate, including buildings . . . . . \$2,411,028.70

Personal property . . . . . 336,598.07

Total . . . . . \$2,747,626.77

Total acreage of hospital property owned, 352.4

Additional acreage rented, 17

Total acreage under cultivation during previous year, 85

Officers and employees:

	Actually in Service at End of Year			Vacancies at End of Year		
	M.	F.	T.	M.	F.	T.
Superintendents	1	—	1	—	—	—
Assistant physicians	5	1	6	—	1	1
Total physicians	6	1	7	—	1	1
Stewards	1	—	1	—	—	—
Resident dentist	1	—	1	—	—	—
Pharmacists	1	—	1	—	—	—
Graduate nurses	1	17	18	—	—	—
Other nurses and attendants	76	78	154	—	—	—
Occupational therapists	—	3	3	—	—	—
Social workers	—	2	2	—	—	—
All other officers and employees	68	52	120	4	10	14
Total officers and employees	154	153	307	4	11	15

*Classification by Diagnosis September 30, 1936*

	Actually in Hospital			Absent from Hospital but still on Books		
	M.	F.	T.	M.	F.	T.
WHITE:						
Insane	560	675	1,235	50	62	112
Mental defectives	—	1	1	—	—	—
All other cases	1	—	1	—	—	—
Total	561	676	1,237	50	62	112
OTHER RACES:						
Insane	23	20	43	—	3	3
Total	23	20	43	—	3	3
Grand Total	584	696	1,280	50	65	115

Patients under treatment in occupational-therapy classes, including

physical training, on date of report	28	112	140
Other patients employed in general work of hospital on date of report	293	197	490
Average daily number of all patients actually in hospital during year	571.446	687.662	1,259.108
Voluntary patients admitted during year	1	1	2
Persons given advice or treatment in out-patient clinics during year	113	109	222

TABLE 2. Movement of Patient Population for the Year Ended September 30, 1936

	TOTAL			REGULAR COURT COMMITMENT (INSANE)			OBSERVATION			TEMPORARY CARE			VOLUNTARY		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Patients on books of institution September 30, 1935	618	722	1,340	616	718	1,334									
Admissions during year:															
First admissions	110	110	220	89	105	194	12	3	15	8	1	9	1	1	2
Readmissions	24	26	50	12	21	33	8	5	13	4	—	4	—	—	—
Total admissions	134	136	270	101	126	227	20	8	28	12	1	13	1	1	2
Transfers from other mental hospitals	7	9	16	7	9	16	—	—	—	—	—	—	—	—	—
Total received during year	141	145	286	108	135	243	20	8	28	12	1	13	1	1	2
Total on books during year	759	867	1,626	724	853	1,577	22	11	33	12	1	13	1	2	3
Discharged from books during year:															
As recovered	30	14	44	16	11	27	10	3	13	4	—	4	—	—	—
As improved	25	22	47	20	21	41	4	1	5	—	—	1	—	—	—
As without psychosis	6	4	10	6	3	9	1	1	2	—	—	—	—	—	—
Total discharged to community	15	8	23	—	1	1	7	4	11	7	1	8	1	2	3
Transferred to other mental hospitals	76	48	124	42	36	78	21	9	30	12	1	13	1	2	3
Total discharged	11	9	20	11	9	20	—	—	—	—	—	—	—	—	—
Died during year	38	49	87	38	47	85	—	2	2	—	—	—	—	—	—
Total discharged, transferred and died during year	125	106	231	91	92	183	21	11	32	12	1	13	1	2	3
Patients remaining on books of hospital at end of year:															
In hospital	584	696	1,280	583	696	1,279	1	—	1	—	—	—	—	—	—
On parole or otherwise absent	50	65	115	50	65	115	—	—	—	—	—	—	—	—	—
Total	634	761	1,395	633	761	1,394	1	—	1	—	—	—	—	—	—

## SUPPLEMENTARY DATA

	M.	F.	T.
Average daily number of patients on books during year	623.17	744.08	1,367.25
Actually in institution during year	571.44	687.66	1,259.10
In family care	1.00	2.15	3.15
On visit	45.55	53.40	98.95
On escape	5.17	.86	6.03
Number of patients actually remaining in institution September 30, 1936:			
State	549	595	1,144
Reimbursing	35	101	136
Number of patients in family care September 30, 1936	1	3	4
Self-supporting	1	-	3
Private	1	-	1
Number of non-insane patients in hospital at end of institution year:			
Mentally defective	-	1	1
Others	1	-	1

TABLE 3. *Nativity of First Admissions and of Parents of First Admissions*

NATIVITY	PATIENTS			PARENTS OF MALE PATIENTS			PARENTS OF FEMALE PATIENTS		
	M.	F.	T.	Fathers	Mothers	Both Parents	Fathers	Mothers	Both Parents
United States <sup>1</sup>	59	65	124	32	37	30	28	28	20
Africa	—	1	1	—	—	—	1	1	1
Canada <sup>2</sup>	6	13	19	11	9	8	15	20	12
England	3	2	5	5	3	2	4	3	1
Finland	—	—	—	—	—	—	2	2	2
Germany	1	—	1	2	1	1	—	—	—
Ireland	6	7	13	12	14	12	19	18	15
Italy	3	7	10	6	5	5	8	8	8
Norway	—	—	—	—	—	—	1	1	1
Poland	4	2	6	5	5	5	4	3	3
Portugal	2	2	4	3	3	3	2	1	1
Russia	3	1	4	3	3	3	7	7	6
Scotland	—	1	1	2	2	1	1	1	1
Sweden	—	3	3	2	2	2	5	5	5
Other Countries	2	1	3	2	2	2	1	2	1
Unknown	—	—	—	4	3	2	7	5	5
Total	89	105	194	89	89	76	105	105	82

<sup>1</sup>Persons born in Hawaii, Porto Rico and the Virgin Islands should be recorded as born in the U. S.<sup>2</sup>Includes Newfoundland.





TABLE 5. *Citizenship of First Admissions*

	Males	Females	Total
Citizens by birth . . . . .	59	65	124
Citizens by naturalization . . . . .	18	19	37
Aliens . . . . .	10	19	29
Citizenship unknown . . . . .	2	2	4
Total . . . . .	89	105	194

TABLE 6. *Race of First Admissions Classified with Reference to Principal Psychoses*

RACE	TOTAL			With syphilitic meningo-encephalitis			Alcoholic psychoses			Due to drugs, etc.			Traumatic psychoses			With cerebral arterio-sclerosis		
	M.		T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	1	2	3	—	—	—	—	1	1	—	—	—	—	—	—	—	1	1
English . . . . .	30	21	51	1	—	1	—	—	—	1	—	1	—	—	—	8	2	10
Finnish . . . . .	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
French . . . . .	3	3	6	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1
German . . . . .	2	—	2	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Hebrew . . . . .	3	7	10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Irish . . . . .	17	17	34	—	1	1	2	1	3	—	—	—	—	—	—	4	2	6
Italian <sup>1</sup> . . . . .	6	8	14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Lithuanian . . . . .	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Portuguese . . . . .	3	1	4	2	—	2	—	—	—	—	—	—	—	—	—	—	1	1
Scandinavian <sup>2</sup> . . . . .	2	6	8	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1
Scotch . . . . .	2	6	8	—	1	1	—	—	—	—	—	—	—	—	—	—	2	2
Slavonic <sup>3</sup> . . . . .	6	4	10	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—
Other specific races . . . . .	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mixed . . . . .	12	24	36	—	—	—	3	1	4	1	—	1	—	—	—	1	1	2
Race unknown . . . . .	1	2	3	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Total . . . . .	89	105	194	3	2	5	5	3	8	2	—	2	1	—	1	15	11	25

TABLE 6. *Race of First Admissions Classified with Reference to Principal Psychoses — Continued*

RACE	With convulsive disorders (epilepsy)			Senile psychoses			Involuntal psychoses			Due to other metabolic diseases, etc.			With organic changes of nervous system			Psycho-neuroses		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
English . . . . .	1	—	1	5	4	9	1	2	3	—	2	2	1	1	2	1	—	1
Finnish . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
French . . . . .	—	1	1	—	—	—	—	1	1	—	—	—	2	—	2	—	—	—
German . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hebrew . . . . .	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—	1	—	1
Irish . . . . .	1	—	1	—	1	1	—	3	3	1	—	1	1	1	2	—	1	1
Italian <sup>1</sup> . . . . .	—	1	1	—	—	—	—	—	—	—	1	1	1	—	1	1	—	1
Lithuanian . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Portuguese . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Scandinavian <sup>2</sup> . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Scotch . . . . .	—	—	—	1	—	1	—	1	1	—	—	—	1	—	1	—	—	—
Slavonic <sup>3</sup> . . . . .	—	—	—	1	—	1	—	1	1	—	1	1	1	—	1	1	—	1
Other specific races . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mixed . . . . .	—	1	1	1	2	3	1	1	2	—	2	2	1	—	1	1	2	3
Race unknown . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total . . . . .	2	3	5	8	7	15	3	9	12	1	6	7	8	2	10	5	3	8

<sup>1</sup>Includes "North" and "South".<sup>2</sup>Norwegians, Danes and Swedes.<sup>3</sup>Includes Bohemian, Bosnian, Croatian, Dalmatian, Herzegovinian, Montenegrin, Moravian, Polish, Russian, Ruthenian, Servian, Slovak, Slovenian.

TABLE 6. *Race of First Admissions Classified with Reference to Principal Psychoses — Concluded*

RACE	Manic-depressive psychoses			Dementia praecox			Paranoia and paranoid conditions			With psychopathic personality			With mental deficiency			Without psychoses		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
English	3	1	4	6	3	9	—	3	3	—	—	—	2	2	4	—	1	1
Finnish	—	1	1	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
French	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
German	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
Hebrew	1	4	5	—	3	3	—	—	—	—	—	—	—	—	—	—	—	—
Irish	4	3	7	2	1	3	—	2	2	—	1	1	2	—	2	—	—	—
Italian <sup>1</sup>	1	2	3	2	3	5	—	1	1	—	—	—	1	—	1	—	—	—
Lithuanian	—	—	—	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—
Portuguese	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
Scandinavian <sup>2</sup>	—	1	1	2	1	3	—	2	2	—	1	1	—	—	—	—	—	—
Scotch	—	—	—	—	—	—	—	2	2	—	—	—	—	—	—	—	—	—
Slavonic <sup>3</sup>	—	—	—	—	2	2	2	—	2	—	—	—	—	—	—	—	—	—
Other specific races	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
Mixed	1	5	6	2	3	5	—	—	—	—	1	1	—	5	5	—	—	—
Race unknown	—	1	1	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—
Total	11	18	29	18	19	37	2	10	12	—	3	3	5	8	13	—	1	1

<sup>1</sup>Includes "North" and "South".<sup>2</sup>Norwegians, Danes and Swedes.<sup>3</sup>Includes Bohemian, Bosnian, Croatian, Dalmatian, Herzegovinian, Montenegrin, Moravian, Polish Russian, Ruthenian, Servian, Slovak, Slovenian.TABLE 7. *Age of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	TOTAL			0-14 years			15-19 years			20-24 years			25-29 years		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis . . . . .	3	2	5	—	—	—	—	—	—	—	—	—	—	—	—
Alcoholic psychoses . . . . .	5	3	8	—	—	—	—	—	—	—	—	—	—	1	1
Due to drugs, etc. . . . .	2	—	2	—	—	—	—	—	—	—	—	—	—	—	—
Traumatic psychoses . . . . .	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
With cerebral arteriosclerosis . . . . .	15	11	26	—	—	—	—	—	—	—	—	—	—	—	—
With convulsive disorders (epilepsy) . . . . .	2	3	5	—	—	—	—	—	—	2	2	—	—	—	—
Senile psychoses . . . . .	8	7	15	—	—	—	—	—	—	—	—	—	—	—	—
Involuntional psychoses . . . . .	3	9	12	—	—	—	—	—	—	—	—	—	—	—	—
Due to other metabolic diseases, etc. . . . .	1	6	7	—	—	—	—	—	—	—	—	—	—	—	—
With organic changes of nervous system . . . . .	8	2	10	1	—	1	—	—	—	—	—	—	—	—	—
Psychoneuroses . . . . .	5	3	8	—	—	—	—	—	—	—	—	—	—	—	—
Manic-depressive psychoses . . . . .	11	18	29	—	—	—	1	—	1	2	2	4	—	3	3
Dementia praecox . . . . .	18	19	37	—	—	—	2	2	4	3	4	7	3	5	8
Paranoia and paranoid conditions . . . . .	2	10	12	—	—	—	—	—	—	—	—	—	—	—	—
With psychopathic personality . . . . .	—	3	3	—	—	—	—	1	1	—	—	—	—	—	—
With mental deficiency . . . . .	5	8	13	2	2	4	1	2	3	—	2	2	1	—	1
Without psychoses . . . . .	—	1	1	—	—	—	—	—	—	—	—	—	—	1	1
Total . . . . .	89	105	194	3	2	5	4	5	9	5	10	15	4	10	14

TABLE 7. *Age of First Admissions Classified with Reference to Principal Psychoses — Continued*

PSYCHOSES	30-34 years			35-39 years			40-44 years			45-49 years			50-54 years			55-59 years		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	-	-	-	2	1	3	-	-	-	-	1	1	-	-	-	-	-	-
Alcoholic psychoses	-	-	-	-	-	-	2	-	2	1	-	1	-	-	-	-	1	1
Due to drugs, etc.	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	1	-	1
Traumatic psychoses	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
With cerebral arteriosclerosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With convulsive disorders (epilepsy)	-	1	1	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
Senile psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Involuntional psychoses	-	-	-	-	-	-	-	-	-	3	3	-	1	4	5	2	-	2
Due to other metabolic diseases etc.	-	-	-	-	-	-	-	1	1	-	2	2	-	2	2	1	-	1
With organic changes of nervous system	-	-	-	-	-	-	-	-	-	1	-	1	2	-	2	1	1	2
Psychoneuroses	2	-	2	-	1	1	2	1	3	-	-	-	1	-	1	-	1	1
Manic-depressive psychoses	2	4	6	1	-	1	1	3	4	1	1	2	1	1	2	2	3	5
Dementia praecox	2	4	6	4	1	5	1	2	3	1	-	1	1	1	2	-	-	-
Paranoia and paranoid conditions	-	-	-	-	2	2	1	3	4	-	1	1	-	-	-	1	2	3
With psychopathic personality	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With mental deficiency	1	1	2	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-
Without psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	7	12	19	7	5	12	9	10	19	5	9	14	6	8	14	8	8	16

TABLE 7. *Age of First Admissions Classified with Reference to Principal Psychoses — Concluded*

PSYCHOSES	60-64 years			65-69 years			70-74 years			75-79 years			80-84 years			85 years and over		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alcoholic psychoses	-	1	1	1	-	1	1	-	1	-	-	-	-	-	-	-	-	-
Due to drugs, etc.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Traumatic psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With cerebral arteriosclerosis	3	2	5	1	2	3	4	4	8	3	2	5	3	1	4	1	-	1
With convulsive disorders (epilepsy)	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
Senile psychoses	1	-	1	-	-	-	2	-	2	4	2	6	-	5	5	1	-	1
Involuntional psychoses	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Due to other metabolic diseases, etc.	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-
With organic changes of nervous system	1	1	2	1	-	1	-	-	-	-	-	-	1	-	1	-	-	-
Psychoneuroses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manic-depressive psychoses	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Dementia praecox	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Paranoia and paranoid conditions	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-
With psychopathic personality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With mental deficiency	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Without psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	6	6	12	4	5	9	7	4	11	8	5	13	4	6	10	2	-	2

TABLE 8. Degree of Education of First Admissions Classified with Reference to Principal Psychoses

PSYCHOSES	TOTAL			Illiterate			Reads and Writes			Common School			High School			College			Unknown		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis . . . . .	3	2	5	-	-	-	1	-	1	1	2	3	1	-	-	-	-	-	-	-	-
Alcoholic psychoses . . . . .	5	3	8	-	-	-	-	-	1	1	2	7	-	-	-	-	-	-	-	-	-
Due to drugs, etc. . . . .	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-
Traumatic psychoses . . . . .	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With cerebral arteriosclerosis . . . . .	15	11	26	1	1	2	1	3	4	10	6	16	1	1	2	1	-	1	1	-	1
With convulsive disorders (epilepsy) . . . . .	2	3	5	1	1	1	1	1	1	2	3	3	2	2	2	-	-	-	-	-	-
Senile psychoses . . . . .	8	7	15	1	1	1	1	1	2	2	3	3	5	3	8	1	-	-	-	-	-
Involitional psychoses . . . . .	3	6	9	-	2	2	-	-	1	1	2	3	2	1	1	-	-	-	-	-	-
Due to other metabolic diseases, etc. . . . .	1	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With organic changes of nervous system . . . . .	8	5	13	3	-	3	1	-	1	4	2	6	1	1	2	1	-	1	1	-	-
Psychoneuroses . . . . .	11	18	29	-	-	-	1	2	2	2	4	6	1	2	3	1	-	1	1	-	1
Manic-depressive psychoses . . . . .	5	3	8	-	-	-	-	-	1	1	2	3	1	1	2	-	-	-	-	-	-
Dementia praecox . . . . .	18	19	37	-	1	1	1	4	5	4	11	15	3	6	9	3	1	4	1	1	-
Paranoia and paranoid conditions . . . . .	2	10	12	-	-	-	1	1	2	1	6	7	4	2	2	-	-	1	1	-	-
With psychopathic personality . . . . .	3	3	6	-	-	-	1	1	2	1	3	3	-	-	-	-	-	1	1	-	-
With mental deficiency . . . . .	5	8	13	1	4	5	3	1	4	-	-	1	-	-	-	-	-	-	-	2	-
Without psychoses . . . . .	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total . . . . .	89	105	194	7	10	17	12	13	25	40	51	91	18	26	44	9	3	12	3	2	5



TABLE 9. *Environment of First Admissions Classified with Reference to Principal Psychoses*

Psychoses	TOTAL		0-2,499		2,500-9,999		10,000-24,999		25,000-49,999		50,000-99,999		100,000-249,999		500,000+		Unknown
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	
With syphilitic meningo-encephalitis	3	2	5	5	2	2	1	2	1	1	1	1	1	1	1	1	1
Alcoholic psychoses	5	3	8	2	2	2	1	2	1	1	1	1	1	1	1	1	1
Due to drugs, etc.	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Traumatic psychoses	15	11	26	1	4	3	3	2	1	1	3	4	1	4	1	1	1
With cerebral arteriosclerosis	2	3	5	1	5	2	1	3	1	1	2	2	1	1	1	1	1
With convulsive disorders (epilepsy)	8	7	15	2	7	2	1	4	1	1	2	4	1	1	1	1	1
Senile psychoses	3	9	12	1	2	2	2	5	1	1	2	4	1	1	1	1	1
Involutional psychoses	1	6	7	1	2	2	1	1	1	1	1	1	1	1	1	1	1
Due to other metabolic diseases, etc.	8	2	10	1	2	2	2	2	1	1	1	1	1	1	1	1	1
With organic changes of nervous system	5	3	8	1	1	1	1	2	1	1	2	4	1	1	1	1	1
Psychoneuroses	11	18	29	1	3	3	1	3	1	1	3	9	1	4	9	13	1
Manic-depressive psychoses	18	19	37	1	6	7	3	2	1	1	6	3	1	2	6	8	1
Dementia praecox	2	10	12	1	7	7	5	5	1	1	1	1	1	1	1	1	1
Paranoia and paranoid conditions	5	8	13	1	2	2	1	1	1	1	1	1	1	1	1	1	1
With psychopathic personality	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
With mental deficiency	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Without psychoses	89	105	194	1	24	27	14	16	2	2	25	26	4	7	17	24	4
Total					51	51	30	30			51	51			41	41	6

TABLE 10. *Economic Condition of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	TOTAL			Dependent			Marginal			Comfortable			Unknown		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	3	2	5	1	—	1	2	2	4	—	—	—	—	—	—
Alcoholic psychoses	5	3	8	1	—	1	3	1	4	1	2	3	—	—	—
Due to drugs, etc.	2	—	2	—	—	—	—	—	—	2	—	2	—	—	—
Traumatic psychoses	1	—	1	—	—	—	1	—	1	—	—	—	—	—	—
With cerebral arteriosclerosis	15	11	26	7	3	10	5	5	10	2	3	5	1	—	1
With convulsive disorders (epil.)	2	3	5	1	1	2	—	1	1	1	1	2	—	—	—
Senile psychoses	8	7	15	1	2	3	3	1	4	4	4	8	—	—	—
Involuntary psychoses	3	9	12	—	1	1	3	6	9	—	2	2	—	—	—
Due to other metabolic diseases, etc.	1	6	7	—	3	3	1	3	4	—	—	—	—	—	—
With organic changes of nervous system	8	2	10	2	—	2	4	1	5	2	1	3	—	—	—
Psychoneuroses	5	3	8	2	—	2	3	1	4	—	2	2	—	—	—
Manic-depressive psychoses	11	18	29	—	—	—	11	15	26	—	2	2	—	1	1
Dementia praecox	18	19	37	4	4	8	13	15	28	1	—	1	—	—	—
Paranoia and paranoid conditions	2	10	12	2	4	6	—	4	4	—	2	2	—	—	—
With psychopathic personality	—	3	3	—	3	3	—	—	—	—	—	—	—	—	—
With mental deficiency	5	8	13	3	3	6	2	4	6	—	1	1	—	—	—
Without psychoses	—	1	1	—	1	1	—	—	—	—	—	—	—	—	—
Total	89	105	194	24	25	49	51	59	110	13	20	33	1	1	2

TABLE 11. *Use of Alcohol by First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	TOTAL			Abstinent			Temperate			Intemperate			Unknown		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	3	2	5	—	—	—	2	1	3	1	1	2	—	—	—
Alcoholic psychoses	5	3	8	—	—	—	—	—	—	5	3	8	—	—	—
Due to drugs, etc.	2	—	2	—	—	—	—	—	—	2	—	2	—	—	—
Traumatic psychoses	1	—	1	—	—	—	—	—	—	1	—	1	—	—	—
With cerebral arteriosclerosis	15	11	26	2	9	11	7	1	8	5	—	5	1	1	2
With convulsive disorders (epil.)	2	3	5	1	2	3	1	1	2	—	—	—	—	—	—
Senile psychoses	8	7	15	4	6	10	3	1	4	1	—	1	—	—	—
Involuntary psychoses	3	9	12	—	9	9	3	—	3	—	—	—	—	—	—
Due to other metabolic diseases, etc.	1	6	7	—	5	5	—	1	1	1	—	1	—	—	—
With organic changes of nervous system	8	2	10	2	2	4	2	—	2	4	—	4	—	—	—
Psychoneuroses	5	3	8	—	3	3	2	—	2	3	—	3	—	—	—
Manic-depressive psychoses	11	18	29	2	10	12	6	3	9	3	3	6	—	2	2
Dementia praecox	18	19	37	7	9	16	8	8	16	3	1	4	—	1	1
Paranoia and paranoid conditions	2	10	12	—	6	6	—	3	3	1	1	2	1	—	1
With psychopathic personality	—	3	3	—	1	1	—	—	—	—	2	2	—	—	—
With mental deficiency	5	8	13	4	7	11	1	—	1	—	—	—	—	1	1
Without psychoses	—	1	1	—	1	1	—	—	—	—	—	—	—	—	—
Total	89	105	194	22	70	92	35	19	54	30	11	41	2	5	7

TABLE 12. *Marital Condition of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	TOTAL			Single			Married			Widowed			Divorced			Separated		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis . . . . .	3	2	5	-	-	-	3	2	5	-	-	-	-	-	-	-	-	-
Alcoholic psychoses. . . . .	5	3	8	3	-	-	1	1	2	1	1	2	-	-	-	-	-	-
Due to drugs, etc. . . . .	2	-	2	-	-	-	1	-	-	-	1	-	-	1	-	-	-	-
Traumatic psychoses . . . . .	1	-	1	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-
With cerebral arteriosclerosis . . . . .	15	11	26	3	3	6	4	4	8	1	1	-	-	-	-	-	-	-
With convulsive disorders (epilepsy) . . . . .	2	3	5	-	2	2	2	4	2	1	1	-	-	-	-	-	-	-
Senile psychoses . . . . .	8	7	15	-	2	5	3	4	7	-	-	-	-	-	-	-	-	-
Involuntary psychoses . . . . .	3	9	12	-	5	-	1	5	6	-	-	-	-	-	-	-	-	-
Due to other metabolic diseases, etc. . . . .	1	6	7	2	1	3	4	1	5	-	-	-	-	-	-	-	-	-
With organic changes of nervous system . . . . .	8	2	10	2	1	3	4	1	5	-	-	-	-	-	-	-	-	-
Psychoneuroses . . . . .	5	3	8	1	1	2	3	2	5	-	-	-	-	-	-	-	-	-
Manic-depressive psychoses . . . . .	11	18	29	7	7	14	3	4	7	-	-	-	-	-	-	-	-	-
Dementia praecox . . . . .	18	19	37	12	9	21	3	10	13	1	1	1	1	1	1	1	1	1
Paranoia and paranoid conditions . . . . .	2	3	5	-	3	3	2	6	8	-	-	-	-	-	-	-	-	-
With psychopathic personality . . . . .	-	3	3	-	1	1	-	2	2	-	-	-	-	-	-	-	-	-
With mental deficiency . . . . .	5	8	13	5	8	13	-	-	-	-	-	-	-	-	-	-	-	-
Without psychoses . . . . .	-	1	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Total . . . . .	89	105	194	34	41	75	35	47	82	16	14	30	3	2	5	1	1	2

TABLE 13. *Mental Disorders of All Admissions, All Discharges, All Deaths, 1936, All Cases in Residence and All Cases Out on September 30, 1936, by Status of Admission and Sex*

MENTAL DISORDERS	ALL ADMISSIONS			ALL DISCHARGES			ALL DEATHS			RESIDENT POPULATION			PATIENTS OUT ON VISIT, ETC.		
	First Admissions		Readmissions	First Admissions		Readmissions	First Admissions		Readmissions	First Admissions		Readmissions	First Admissions		Readmissions
	M. F. T.	M. F. T.		M. F. T.	M. F. T.		M. F. T.	M. F. T.		M. F. T.	M. F. T.		M. F. T.	M. F. T.	M. F. T.
<i>Psychoses Due to or Associated with Infection:</i>															
Syphilis of the Central Nervous System:															
Meningo-encephalitic type (general paresis)	3	2	5	1	—	1	—	—	—	—	—	—	—	1	1
Meningo-vascular type (cerebral syphilis)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
With intracranial gumma	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
With epidemic encephalitis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>Psychoses Due to Intoxication:</i>															
Due to Alcohol:															
Pathological intoxication	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
Delirium tremens	6	—	6	5	—	—	—	—	—	—	—	—	—	—	—
Korsakow's psychosis	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—
Acute hallucinosis	1	1	2	3	—	1	—	—	—	—	—	—	—	2	2
Other types	4	1	5	6	—	6	—	—	—	25	4	29	2	—	1
Due to Drugs or Other Exogenous Poisons:															
Due to gases	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
Due to other drugs	2	—	2	1	—	1	—	—	—	1	—	—	1	—	—
<i>Psychoses Due to Trauma:</i>															
Traumatic delirium	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Post-traumatic mental deterioration	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other types	1	—	1	—	—	—	—	—	—	1	—	—	—	—	—
<i>Psychoses Due to Disturbance of Circulation:</i>															
With cerebral arteriosclerosis	15	11	26	—	1	1	—	—	—	22	26	48	1	2	3
<i>Psychoses Due to Convulsive Disorders (Epilepsy):</i>															
Epileptic deterioration	—	—	—	1	—	1	—	—	—	3	6	9	3	2	5
Epileptic clouded states	1	2	3	—	—	—	—	—	—	1	3	4	2	—	—
Other epileptic types	1	1	2	—	—	—	—	—	—	1	1	2	—	—	—





TABLE 13. *Mental Disorders of All Admissions, All Discharges, All Deaths, 1936, All Cases in Residence and All Cases Out on September 30, 1936, by Status of Admission and Sex — Concluded*

MENTAL DISORDERS	ALL ADMISSIONS		ALL DISCHARGES		ALL DEATHS		RESIDENT POPULATION		PATIENTS OUT ON VISIT, ETC.	
	First Admissions	Readmissions	First Admissions	Readmissions	First Admissions	Readmissions	First Admissions	Readmissions	First Admissions	Readmissions
	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.
Dementia praecox (schizophrenia)										
Simple type	2 1 3	-	-	-	-	-	9 9 18	3 4 7	1 1 2	1 1 1
Hebephrenic type	6 8 14	3 - 3	- 5 11	1 1 2	- 2 3	5	69 67 136	75 93 168	1 4 4	4 4 4
Catatonic type	4 5 9	1 1 2	1 3 4	-	- 1 1	1	26 38 64	14 23 37	2 3 5	4 - 4
Paranoid type	6 5 11	1 1 1	2 3 5	-	2 3 5	1 2 3	63 83 146	19 50 69	5 5 5	2 - 2
Other types	-	-	-	-	-	-	- 3 3	3 3 3	1 1 2	- - -
Paranoia	- 10 10	-	-	-	-	-	1 - 1	2 - 2	3 3 3	- - -
Paranoid conditions	2 - 2	-	1 3 4	-	- 2 2	2	9 22 31	1 8 9	2 2 4	1 1 2
With psychopathic personality	- 3 3	1 2 3	2 1 3	2 2 4	-	-	1 11 12	2 3 5	- 2 2	- 1 1
With mental deficiency:										
Idiot	- 1 1	-	-	-	-	-	- 5 5	1 1 1	-	- - -
Imbecile	1 5 6	- 1 1	-	-	-	-	9 27 36	7 5 12	- 1 1	1 - 1
Moron	4 2 6	- 1 1	1 - 1	1 1 2	-	-	7 14 21	2 4 6	1 - 1	1 1 2
Without Psychoses:										
Alcoholism	5 - 5	5 - 5	5 - 5	5 - 5	-	-	-	-	-	- - -
Drug addiction	- - -	1 1 2	-	1 1 2	-	-	-	-	-	- - -
Psychopathic personality:										
With pathological sexuality	1 - 1	-	1 - 1	-	-	-	-	-	-	- - -
With pathological emotionality	2 1 3	1 - 1	2 1 3	-	-	-	-	1 - 1	-	- - -
Mental deficiency:										
Imbecile	-	-	1 1	-	-	-	-	-	-	- - -
Moron	- 2 2	-	1 1	-	-	-	- 1 1	-	-	- - -
Other non-psychotic diseases or conditions	- 2 2	-	2 2	-	-	-	-	-	-	- - -
No other condition	1 - 1	-	1 - 1	2 2	-	-	-	-	-	- - -
Grand Total	110 110 220	24 26 50	58 36 94	18 12 30	28 37 65	10 12 22	389 426 815	195 270 465	24 44 68	26 21 47

Note: — Admissions and discharges do not include transfers.

TABLE 14. *Discharges of Patients Classified with Reference to Principal Psychoses and Condition on Discharge*

PSYCHOSES	TOTAL			Recovered			Improved			Unimproved		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis . . . . .	1	—	1	—	—	—	1	—	1	—	—	—
Alcoholic psychoses . . . . .	6	1	7	3	—	3	1	1	2	2	—	2
Due to drugs, etc. . . . .	1	—	1	1	—	1	—	—	—	—	—	—
Traumatic psychoses . . . . .	2	—	2	2	—	2	—	—	—	—	—	—
Senile psychoses . . . . .	—	1	1	—	—	—	—	—	—	—	1	1
Involuntional psychoses . . . . .	2	2	4	—	—	—	2	2	4	—	—	—
With organic changes of nervous system . . . . .	2	—	2	—	—	—	2	—	2	—	—	—
Psychoneuroses . . . . .	1	—	1	—	—	—	—	—	—	1	—	1
Manic-depressive psychoses . . . . .	13	14	27	9	6	15	4	8	12	—	—	—
Dementia praecox . . . . .	9	12	21	—	3	3	6	8	14	3	1	4
Paranoia and paranoid conditions . . . . .	1	3	4	—	1	1	1	1	2	—	1	1
With psychopathic personality . . . . .	3	2	5	—	1	1	3	1	4	—	—	—
With mental deficiency . . . . .	1	—	1	1	—	1	—	—	—	—	—	—
Without psychoses . . . . .	—	1	1	—	—	—	—	—	—	—	—	—
Total . . . . .	42	36	78	16	11	27	20	21	41	6	3	9

TABLE 15. *Hospital Residence during This Admission of Court First Admissions Discharged during 1936*

PSYCHOSES	Number			Average Net Hospital Residence in Years		
	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis . . . . .	1	—	1	.37	—	.37
Alcoholic psychoses . . . . .	6	1	7	2.31	.46	2.04
Due to drugs, etc. . . . .	1	—	1	.04	—	.04
Traumatic psychoses . . . . .	2	—	2	.37	—	.37
Senile psychoses . . . . .	—	1	1	—	3.50	3.50
Involuntional psychoses . . . . .	2	2	4	1.52	5.00	3.26
With organic changes of nervous system . . . . .	2	—	2	.77	—	.77
Psychoneuroses . . . . .	1	—	1	.94	—	.94
Manic-depressive psychoses . . . . .	8	11	19	1.09	.93	1.00
Dementia praecox . . . . .	9	11	20	.87	2.17	1.59
Paranoia and paranoid conditions . . . . .	1	3	4	.87	.69	.73
With psychopathic personality . . . . .	2	1	3	1.50	1.50	1.50
With mental deficiency . . . . .	1	—	1	.54	—	.54
Without psychoses . . . . .	—	1	1	—	3.50	3.50
Total . . . . .	36	31	67	1.15	1.78	1.44

TABLE 16. Causes of Death of Patients Classified with Reference to Principal Mental Disorders

CAUSES OF DEATH	TOTAL			With syphilitic meningo-encephalitis		Alcoholic psychoses		With cerebral arterio-sclerosis		Senile psychoses		Involutional psychoses			
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
<i>Infectious and Parasitic Diseases:</i>															
Erysipelas . . . . .	1	4	5	-	-	-	-	-	-	-	1	1	-	1	1
Tuberculosis of the respiratory system . . . . .	3	4	7	1	-	1	-	-	-	-	1	1	-	-	-
Tuberculosis of other organs . . . . .	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis (non-nervous forms) . . . . .	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Purulent infection, septicaemia (non-puerperal). . . . .	1	1	2	1	-	1	-	-	-	-	-	-	-	-	-
<i>Cancer and Other Tumors:</i>															
Cancer and other malignant tumors . . . . .	1	8	9	-	1	1	-	-	-	-	1	1	-	-	-
Tumor (non-cancerous) . . . . .	1	-	1	-	-	-	-	1	-	-	-	-	-	-	-
<i>Rheumatic Diseases, Nutritional Diseases, Diseases of the Endocrine Glands and Other General Diseases:</i>															
Pellagra . . . . .	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
<i>Diseases of the Nervous System and Organs of Special Sense:</i>															
Cerebral hemorrhage . . . . .	2	4	6	-	-	-	-	2	2	1	1	2	-	-	-
Cerebral embolism and thrombosis . . . . .	-	1	1	-	-	-	-	1	1	-	-	-	-	-	-
<i>Diseases of the Circulatory System:</i>															
Chronic endocarditis (valvular disease) . . . . .	1	6	7	-	-	-	1	1	2	-	1	1	-	1	1
Diseases of the myocardium . . . . .	18	9	27	-	-	-	1	1	3	5	4	9	-	-	-
Other diseases of the heart . . . . .	1	1	2	-	-	-	-	-	-	-	1	1	-	-	-
Arteriosclerosis . . . . .	3	-	3	-	-	-	-	-	-	3	-	3	-	-	-
<i>Diseases of the Respiratory System:</i>															
Bronchopneumonia (including capillary bronchitis) . . . . .	1	1	2	-	-	-	-	-	-	-	1	1	-	-	-
Lobar pneumonia . . . . .	2	1	3	-	-	-	-	1	-	1	-	-	-	1	1
Other diseases (tuberculosis excepted) . . . . .	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
<i>Diseases of the Digestive System:</i>															
Diarrhea and enteritis . . . . .	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
<i>Diseases of the Genito-Urinary System:</i>															
Nephritis (acute, chronic and unspecified) . . . . .	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
<i>Diseases of the Skin and Cellular Tissue:</i>															
Diseases of the Bones and Organs of Locomotion: . . . . .	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Osteomyelitis . . . . .	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
<i>Vital and Accidental Deaths:</i>															
Other external causes . . . . .	1	1	2	-	-	-	-	-	-	-	1	-	1	-	-
Total . . . . .	38	47	85	2	1	3	2	-	2	11	8	19	10	12	22
													1	2	3



TABLE 16. *Causes of Death of Patients Classified with Reference to Principal Mental Disorders — Concluded*

CAUSES OF DEATH	Due to other metabolic diseases, etc.		With organic changes of nervous system		Manic-depressive psychoses		Dementia praecox		Paranoia and paranoid conditions		With mental deficiency	
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
<i>Infectious and Parasitic Diseases:</i>												
Erysipelas . . . . .	-	-	-	-	-	-	1	1	2	-	-	-
Tuberculosis of the respiratory system . . . . .	-	-	-	-	-	1	2	2	4	1	1	-
Tuberculosis of other organs . . . . .	1	2	-	-	-	-	-	-	-	-	-	-
Syphilis (non-nervous forms) . . . . .	-	-	-	-	-	-	-	-	-	-	1	1
Purulent infection, septicaemia (non-puerperal) . . . . .	-	-	-	-	-	-	-	-	-	-	-	-
<i>Cancer and Other Tumors:</i>												
Cancer and other malignant tumors . . . . .	-	4	4	-	-	1	-	2	2	-	-	-
Tumor (non-cancerous) . . . . .	-	-	-	-	-	-	-	-	-	-	-	-
<i>Rheumatic Diseases, Nutritional Diseases, Diseases of the Endocrine Glands and Other General Diseases:</i>												
Pellagra . . . . .	-	1	1	-	-	-	-	-	-	-	-	-
<i>Diseases of the Nervous System and Organs of Special Sense:</i>												
Cerebral hemorrhage . . . . .	-	-	-	-	-	1	1	1	-	-	-	-
Cerebral embolism and thrombosis . . . . .	-	-	-	-	-	-	-	-	-	-	-	-
<i>Diseases of the Circulatory System:</i>												
Chronic endocarditis (valvular disease) . . . . .	-	-	-	-	-	1	1	1	1	-	-	-
Diseases of the myocardium . . . . .	1	1	2	2	-	-	1	1	2	-	-	-
Other diseases of the heart . . . . .	-	-	-	-	-	-	1	1	-	-	-	-
Arteriosclerosis . . . . .	-	-	-	-	-	-	-	-	-	-	-	-
<i>Diseases of the Respiratory System:</i>												
Bronchopneumonia (including capillary bronchitis) . . . . .	-	-	1	1	-	-	-	-	-	-	-	-
Lobar pneumonia . . . . .	-	-	-	-	-	-	-	-	1	1	-	-
Other diseases (tuberculosis excepted) . . . . .	-	-	-	-	-	-	-	-	-	-	-	-
<i>Diseases of the Digestive System:</i>												
Diarrhea and enteritis . . . . .	-	-	-	-	-	1	1	-	-	-	-	-
<i>Diseases of the Genito-Urinary System:</i>												
Nephritis (acute, chronic and unspecified) . . . . .	-	-	1	1	-	-	-	-	-	-	-	-
<i>Diseases of the Skin and Cellular Tissue:</i>												
<i>Diseases of the Bones and Organs of Locomotion:</i>												
Osteomyelitis . . . . .	-	-	-	-	-	-	-	1	1	-	-	-
<i>Violent and Accidental Deaths:</i>												
Other external causes . . . . .	-	-	-	-	-	1	1	-	-	-	-	-
Total . . . . .	1	7	8	4	-	4	6	9	15	2	2	1

TABLE 17. Age of Patients at Time of Death Classified with Reference to Principal Psychoses

PSYCHOSES	TOTAL			25-29 years		30-34 years		35-39 years		40-44 years		45-49 years		50-54 years	
	M.	F.	T.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	R. T.
With syphilitic meningo-encephalitis															
Alcoholic psychoses	2	1	3					1	1	1					
With cerebral arteriosclerosis	2	8	10												
Senile psychoses	11	19	30												
Involutional psychoses	1	2	3											1	1
Due to other metabolic diseases, etc.	1	7	8							2	2	1	1	1	1
With organic changes of nervous system	4	4	8									1	1	1	3
Manic-depressive psychoses	1	5	6									1	1	1	2
Dementia praecox	6	9	15		1	1	1	2	2					1	2
Paranoia and paranoid conditions		2	2												3
With mental deficiency		1	1									1	1		
Total	38	47	85	1	1	1	1	3	3	1	2	3	4	5	8

TABLE 17. Age of Patients at Time of Death Classified with Reference to Principal Psychoses — Concluded

PSYCHOSES	55-59 years		60-64 years		65-69 years		70-74 years		75-79 years		80-84 years		85 years and over	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
With syphilitic meningo-encephalitis														
Alcoholic psychoses	1	1	1	1			1	1						
With cerebral arteriosclerosis	1	1	1	1			2	4	5	2	1	1	1	1
Senile psychoses		1					2	4	3	3	2	4	2	3
Involutional psychoses	2	2	1	1	1	1								5
Due to other metabolic diseases, etc.									1	1				
With organic changes of nervous system	2	2	1	1	1	1					1	1		
Manic-depressive psychoses														
Dementia praecox	1	1	1	1			1	1	1	2	3			
Paranoia and paranoid conditions			1	1	1	1								
With mental deficiency														
Total	6	3	9	3	3	2	6	7	9	9	4	5	3	4

TABLE 18. *Total Duration of Hospital Life of Patients Dying in Hospital Classified According to Principal Psychoses*

PSYCHOSES	TOTAL		Less than 1 month		1-3 months		4-7 months		8-12 months		1-2 years		3-4 years	
	M.	F.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	2	1	3											
Alcoholic psychoses	11	8	19	3	2	5	4	1	2	3	2	2	4	1
With cerebral arteriosclerosis	10	12	22	1	1	2	3	1	4	2	1	3	1	2
Senile psychoses	1	2	3			1	1	2			1	1		3
Involutional psychoses	1	7	8		4	2		1						
Due to other metabolic diseases, etc.		4	4	2	2		1	1			2			
With organic changes of nervous system	1	5	6								3	3		
Manic-depressive psychoses	6	9	15		1	1				1	4	4		
Dementia praecox		2	2											
Paranoia and paranoid conditions		1	1											
With mental deficiency														
Total	38	47	85	6	7	13	6	3	9	4	4	8	3	1

TABLE 18. *Total Duration of Hospital Life of Patients Dying in Hospital Classified According to Principal Psychoses — Concluded*

PSYCHOSES	5-6 years		7-8 years		9-10 years		11-12 years		13-14 years		15-19 years		20 years and over	
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.
With syphilitic meningo-encephalitis		1	1	1		1	1							
Alcoholic psychoses	1			1	1	2					1	1		
With cerebral arteriosclerosis				1	1	2								
Senile psychoses								3	3					
Involutional psychoses								2	2		1	1		
Due to other metabolic diseases, etc.								1	1					
With organic changes of nervous system														
Manic-depressive psychoses														
Dementia praecox								2	1	3			2	4
Paranoia and paranoid conditions								1	1				1	1
With mental deficiency														
Total	1	1	2	2	1	3	2	5	7	3	3	6	2	6

TABLE 19. *Average Length of Hospital Residence during the Present Admission of All First Admissions in Residence on September 30, 1936*

PSYCHOSES	Number			Average Net Hospital Residence in Years		
	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis . . . . .	25	8	33	5.61	4.11	5.25
With other forms of syphilis . . . . .	7	1	8	7.07	2.50	6.50
With epidemic encephalitis . . . . .	1	2	3	1.50	2.00	1.83
Alcoholic psychoses . . . . .	44	6	50	6.90	5.48	6.73
Due to drugs, etc. . . . .	1	—	1	1.50	—	1.50
Traumatic psychoses . . . . .	1	—	1	4.50	—	4.50
With cerebral arteriosclerosis . . . . .	22	26	48	2.07	3.25	2.71
With convulsive disorders (epilepsy) . . . . .	5	10	15	4.69	5.28	5.08
Senile psychoses . . . . .	16	22	38	3.41	3.80	3.64
Involuntional psychoses . . . . .	9	20	29	2.93	2.52	2.65
Due to other metabolic diseases, etc. . . . .	3	2	5	1.81	3.97	2.68
With organic changes of nervous system . . . . .	19	9	28	4.01	5.60	4.52
Psychoneuroses . . . . .	7	8	15	.90	3.73	2.41
Manic-depressive psychoses . . . . .	35	32	67	3.91	4.45	4.17
Dementia praecox . . . . .	167	200	367	7.81	8.20	8.02
Paranoia and paranoid conditions . . . . .	10	22	32	5.39	2.98	3.73
With psychopathic personality . . . . .	1	11	12	7.50	5.04	5.24
With mental deficiency . . . . .	16	46	62	6.36	6.23	6.26
Without psychoses . . . . .	—	1	1	—	.45	.45
Total . . . . .	389	426	815	6.02	6.15	6.09

TABLE 19A. *Average Length of Hospital Residence during the Present Admission of All Readmissions in Residence on September 30, 1936*

PSYCHOSES	Number			Average Net Hospital Residence in Years		
	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis . . . . .	15	3	18	7.66	11.66	8.32
With other forms of syphilis . . . . .	1	—	1	7.50	—	7.50
Alcoholic psychoses . . . . .	11	3	14	15.22	13.18	14.78
With cerebral arteriosclerosis . . . . .	1	2	3	2.50	.45	1.13
With convulsive disorders (epilepsy) . . . . .	5	2	7	4.90	7.50	5.64
Senile psychoses . . . . .	—	4	4	—	9.50	9.50
Involuntional psychoses . . . . .	2	12	14	2.50	6.99	6.35
Due to other metabolic diseases, etc. . . . .	—	2	2	—	8.97	8.97
With organic changes of nervous system . . . . .	2	5	7	8.50	7.69	7.92
Psychoneuroses . . . . .	3	1	4	.80	.45	.71
Manic-depressive psychoses . . . . .	29	42	71	6.62	6.41	6.50
Dementia praecox . . . . .	111	173	284	11.94	12.33	12.18
Paranoia and paranoid conditions . . . . .	3	8	11	11.50	6.75	8.04
With psychopathic personality . . . . .	2	3	5	4.50	9.16	7.30
With mental deficiency . . . . .	9	10	19	12.16	11.49	11.89
Without psychoses . . . . .	1	—	1	.45	—	.45
Total . . . . .	195	270	465	10.33	10.61	10.49

TABLE 20. *Family Care*

	Males	Females	Total
Remaining in Family Care September 30, 1935 . . . . .	1	2	3
Admitted to Family Care during the Year . . . . .	—	4	4
Whole Number of Cases within the Year . . . . .	1	6	7
Discharged from Family Care within the Year . . . . .	—	3	3
Returned to Institution . . . . .	—	3	3
Remaining in Family Care September 30, 1936 . . . . .	1	3	4
Average Daily Number in Family Care during Year . . . . .	1	2.128	3.128
Private . . . . .	1	—	1
Self-supporting . . . . .	—	3	3



The Commonwealth of Massachusetts

16th

ANNUAL REPORT

OF THE

TRUSTEES

OF THE

Mass. FOXBOROUGH STATE HOSPITAL (Inmate).

FOR THE

YEAR ENDING NOVEMBER 30,

1937

DEPARTMENT OF MENTAL DISEASES



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DEPARTMENT OF MENTAL DISEASES  
GARDNER STATE HOSPITAL  
EAST GARDNER, MASS.

1937

# FOXBOROUGH STATE HOSPITAL

(Post Office Address: Foxborough, Mass.)

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MISS CATHERINE MULLANE, *Head Institutional Housekeeper*.  
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MR. ALBERT D. KELLY, *Chief Male Superieisor*.

## TRUSTEES' REPORT

*To His Excellency, the Governor, and the Honorable Council:*

The Trustees of the Foxborough State Hospital have the honor to submit herewith the forty-sixth annual report covering the year ending November 30, 1937.

Meetings were held regularly throughout the year with a majority of the members present. The hospital was visited routinely by members of the Board.

On February 10, 1937, Dr. Thomas J. Scanlan submitted his resignation as a member of the Board in order to become a member of the Board of Trustees of the Boston State Hospital. He had served continuously since 1914 and at the time of his resignation was Chairman of the Board. Throughout his membership, Dr. Scanlan showed a great interest in all things pertaining to the welfare of the patients and his knowledge and wide experience in the medical field enabled him to render a valuable service, especially in connection with the surgical treatment of the patients. On September 7, 1937, Mrs. Herbert J. Gurney resigned as a member of the Board after serving for seventeen years. Mrs. Gurney attended regularly the meetings of the Board, was a frequent visitor to the hospital and showed a marked interest in its welfare. His Excellency, Governor Charles F. Hurley, appointed Dr. E. H. Lewis Harnett to fill the vacancy caused by the resignation of Dr. Scanlan and he was elected as Chairman of the Board.

On December 15, 1936, the building for the treatment of tuberculous cases was opened for patients' use. This was constructed as a project under the Public Works Administration. It provides the needed facilities for the care of tuberculous patients regardless of their mental condition. Because of its location and special equipment, it has been found to contribute greatly to the comfort of those who must remain under treatment for an extended period. On January 12, 1937, the work

1937  
A  
of remodelling the Power House and of installing new equipment was completed to the point where it was possible to put into service the new generating equipment. This, with the new boilers already in use, has fully met the needs of the institution for heat, light and power. This was also a project under the Public Works Administration. In 1936 the sum of \$9,000 was appropriated for the replacement of window guards on certain of the ward buildings and the closing up of some of the windows. This project was completed in the current year and has added greatly to the efficient operation of the wards in these buildings. The amount appropriated for the construction of the hydrotherapeutic suite in Building O was found to be insufficient and an additional sum of \$2,400 has been requested in the budget for 1938 to complete this project.

We again recommend certain additional projects which we feel are necessary to meet the needs of the institution and provide for its further development. The number of patients and employees has increased to the point where the present kitchen and dining room facilities are inadequate to the needs of the institution. With certain additions and alterations, the service building can be developed to fully meet the requirements. The installation of a cafeteria system would seem to provide most satisfactorily for efficiency and economy in the preparing and serving of food. This project should include also a remodelling or relocating of the bakery which is small and poorly located, and the purchase of such dining room and kitchen equipment as is now in need of replacement.

To offset the marked deficiency of living quarters for employees, we recommend the construction of a building in which there would be one section for living quarters for the women of the medical and administrative groups and another for additional living quarters for nursing service of the women's wards.

In the group now occupied by men there is at present no building which provides special facilities for the care of patients of the disturbed type. We believe this need can be met best by making certain alterations and additions to Building O. The remodelling of the east wing of this building and the construction of an addition thereto would render the whole building essentially fireproof and provide for the care of thirty more patients.

The purchase of certain parcels of land is again recommended. It seems particularly desirable to acquire title to all property bordering on Payson Road. The land not now owned by the institution is almost wholly surrounded by hospital property and in close proximity to ward buildings. It is needed for the extension of the hospital and the passing of this highway directly through the hospital grounds constitutes a very definite danger to patients because of the automobile traffic. Consideration should be given to the purchase of two parcels of land along the southern boundary of the property with a view to squaring up the land owned by the hospital and the possible relocation of Chestnut Street to the south, thus eliminating another public highway passing through the hospital grounds and with its attendant danger to patients. At the Colony Farm additional land which is now available for purchase is also needed to increase the acreage for cultivation and provide a desirable site for a piggery.

Other needs requiring smaller sums are the remodelling of the old Assembly Building for vegetable storage; the completion of the sprinkler system in certain buildings and the construction of a water tank to provide an emergency supply of water and improve the sprinkler system; the relocation of the hydrotherapeutic suite from the present administration building to a ward building, and the construction of a new piggery and hennery at the Colony Farm.

The hospital has continued to carry on rather extensive extra-mural work in the travelling school clinic and out-patient mental clinics and we believe these activities to be of very great benefit to the community.

Detailed statements of the administration of the hospital will be found in subjoined reports of the Superintendent and Treasurer.

We would take this opportunity of expressing our appreciation to those in the community who have contributed so generously to the entertainment and comfort



of the patients and to all who have taken part in carrying on the work of the hospital.

Respectfully submitted,	
E. H. LEWIS HARNETT, M.D.	BENNET B. BRISTOL
WILLIAM J. BULMAN	WILLIAM H. BANNON
NOEL C. KING	JEANNETTE C. CHISHOLM

*Trustees.*

## SUPERINTENDENT'S REPORT

*To the Trustees of the Foxborough State Hospital:*

The forty-sixth annual report of the Superintendent of the Foxborough State Hospital for the year ending November 30, 1937 is herewith respectfully submitted. The statistical tables contained herein are for the year ending September 30, 1937.

### MOVEMENT OF POPULATION

On September 30, 1937, the census of the hospital was as follows: On the wards, men 606; women 736; total, 1,342; on parole or otherwise absent, men, 57; women, 67; total, 124. The total number of patients in the care of the hospital was, 1,466 of whom 663 were men and 803 women.

On October 1, 1936, there were on the books of the hospital 634 men, 761 women, total, 1,395. First admission by Regular Court Commitment as insane, 78 men, 90 women; for Temporary Care, 3 men, 5 women; for Observation Care, 13 men 10 women. Voluntary, 1 man, 1 women. The total of all first admissions were 95 men, 106 women. Readmissions, by Regular Court Commitment, 42 men, 28 women; by Voluntary Commitment 1 woman; for Temporary Care, 3 men, 1 woman, for Observation Care, 5 men, 1 woman. Total of all readmissions were 50 men, 31 women. Transfers from other hospitals for mental diseases, by Regular Court Commitment, 12 men, 25 women. Total of all transfers were 37.

There was a total of 319 patients received during the year.

The average daily number of Ex-service patients was 43.666.

### MEDICAL STENOGRAPHIC DEPARTMENT

The work of the statistical and medical stenographic department has been carried on by Miss Mildred J. Shannon, Principal Clerk. In addition to the routine work of the office special attention has been given to a revision of the filing system with a view to making all records as readily available as possible.

In the final section of this report there is complete information concerning the movement of population and statistical tables as adopted by the American Psychiatric Association, prescribed by the Massachusetts Department of Mental Diseases.

### MEDICAL SERVICE

Changes in personnel. — Dr. Rupert A. Chittick, Senior Physician who had been a member of the hospital staff from April 1, 1932 to March 6, 1937, resigned to join the staff of the McLean Hospital in Waverley. Dr. Morris L. Sharp was promoted the position of Senior Physician. His place as an Assistant Physician was taken by Dr. Israel Zeltzman. The position of Assistant Physician in charge of School Clinic was reallocated to Senior Physician, and to fill this position Dr. Joan F. McGreevy was appointed in February 1937. She remained until July 12, 1937, when, after the completion of the clinic year, she resigned to accept a position with the United States Public Health Service. On September 1, 1938, Dr. Mary Hammond was appointed to fill this vacancy. Dr. Hammond came as a transfer from the Boston Psychopathic Hospital where she had been a member of the staff.

### EMPLOYEES

At the close of the fiscal year the personnel consisted of 307 employees. During the year a total of 146 left the service and a total of 161 was appointed. There was 1 new position added to the quota.

### MEDICAL AND SURGICAL CARE

With the exception of 3 cases which were transferred to the Pondville Hospital, all medical and surgical care was rendered at the hospital. During the year major



operations were performed by Dr. Laurence J. Louis, Dr. William J. MacDonald, Dr. Wallace Haley and Dr. Russell J. Sullivan. As usual the minor surgery was cared for by members of the resident staff. All employees of suitable age were vaccinated against typhoid and small pox. Operations were performed as follows: Appendectomy, 4; cholecystectomy, 1; herniotomy, 2; laparotomy, 2; supra-cervical hysterectomy, 2; salpingectomy and oophorectomy, 1; gastroenterostomy, 1; mastectomy, 1; resection of rib, 1; removal semi-lunar cartilage 1; repair of patella, 1; insertion of Kirschner Pin into femur, 1; amputation of finger, 1; dilatation and curettage, 2; hemorrhoidectomy, 1; evisceration of eye, 1; removal foreign body, 1; tonsillectomy and adenoidectomy, 1; reduction of fractures and dislocations under anesthesia, 2; plaster casts, 2.

The hospital has been accepted in Psychiatry by the American Medical Association.

#### STAFF CONFERENCES

Regular daily conferences continued to hold the interest of the Medical Staff. All new admissions were presented for discussion, diagnosis, and distribution. The policy has been continued to review all patient's case records before being discharged from trial visit.

#### PHYSIOTHERAPY AND X-RAY

Miss Mary Villone, Technician, has continued in charge of this work. Treatments and other procedures were as follows:— Number of male patients, 17; female patients, 31; male employees, 15; female employees, 18; total, 81. Infra-red treatments, 302; massage, 275; Ultra Violet Ray (air cooled), 315; Diathermy, 12; Dessication, 41; total, 945.

X-ray. — Number of patients, 318; employees, 119; out-patients, 9; total, 446. Number of films used, 778; dental films, 54; total, 832.

#### HYDROTHERAPY

Miss Anna Hable was appointed hydrotherapist in charge of the women's department in place of Miss Florence MacDonald who resigned after many years of service very capably rendered. Miss Hable is a registered nurse, and received special training in hydrotherapy under the direction of State Hydrotherapist Dr. Rebecca Wright. Because of insufficient funds it was not possible to complete the new hydrotherapeutic suite in Building O and an additional sum was appropriated. It is expected that this much needed project will be completed in the coming year. The additional facilities are particularly needed for the treatment of patients of continued treatment type. A request has been made for an appropriation for the installation of a similar suite in building E. Lectures and demonstrations in hydrotherapy were given throughout the year to nurses in the Training School and attendant nurses.

	<i>Men</i>	<i>Women</i>
Patients given wet-sheet packs . . . . .	90	108
Packs administered . . . . .	2,679	7,716
Hours of treatment given in wet-sheet packs . . . . .	8,778	21,514
Patients given continuous baths . . . . .	73	80
Bath treatments given . . . . .	1,435	2,518
Hours of continuous bath treatments . . . . .	8,189	13,402
Tonic bath patients . . . . .	36	—
Tonic bath treatments . . . . .	2,307	394

#### PODIATRY

Dr. Henry G. Campbell, visiting podiatrist examined and treated the following number of patients during the year: Patients examined 533; patients treated, 310; treatments given, 530; hours of treatment, 416.

#### OCCUPATIONAL THERAPY

Director, Mrs. Kenneth Hamilton. The work was carried on with the aid of two assistants. In addition to work done in the class room particular stress was laid on work done with patients on the ward, particularly the newly admitted cases.

The important part played by this form of therapy in mental conditions has been evident by the results obtained. The education of the patient is emphasized as the first aim of this form of therapy. However, it is believed that the patient derives greatest benefit from the production of the useful articles. Considerable attention has been paid to making records of attendance, general behavior and appearance, social acceptibility of the patients and a summary in routine notes made by the psychiatrists.

The general library has continued to grow. The reading room has been available during regular hours and as a result it has been possible for both patients and employees to devote more time to a personal selection of books thereby increasing the interest to a considerable degree. The total selection was 8,156 volumes. The average number of patient readers per month was 148.

Considerable time was devoted to the exercising of patients in the open air and of such games as the equipment made possible. Encouragement was given to patients to take an active part in the usual out-door entertainment held on July Fourth, and in other gatherings during the summer.

The hospital entertained the Old Dartmouth Club in November. A very marked interest was shown in the hospital library. The club was addressed by the Superintendent and the Director of the Occupational Therapy Department.

During the year 1936-37 we have provided the following recreational events for the patients: Dec. 24, Play "Santa Claus' Visit" — Carol Singing; Dec. 26, Game Party, at the Farm Colony; Dec. 28, Whist Party; Dec. 30, Christmas Ball; Dec. 31, Carnival; Feb. 22, Whist Party; Mar. 16, St. Patrick's Party — Dance; Apr. 19, Whist Party; July 4, Field Day; Aug. 26, Corn Roast; Sept., Labor Day, Whist Party; Oct. 30, Hallowe'en Dance. The above list is not to be considered as a recreational program, merely as a listing of our attempts in that general direction, to date.

#### WOMEN'S INDUSTRIAL

*Directress*, Mrs. Theresa Boyden. Requirements of the institution for such articles as can be made on the premises have been well met by the work done in this department. They were as follows: 184 doz. aprons, 3 doz. belts, 6 bath robes, 24 doz. bibs, 70 doz. bed gowns, 64 strong blankets, 73 tea and coffee bags, 23 doz. laundry bags. Covers: 6 hydro-therapy, 18 bread rack, 17 doz. screen, 7 extractors, 5 doz. bureau, 11 doz. ironing board, 10 pan covers. 65 pr. sash curtains, 256 pr. drapery curtains, 3 doz. shower curtains, 10 doz. combinations, 6 doz. kitchen coats, 5 couch sets, 39 doz. dresses, 29 doz. strong dresses, 8 doz. pr. garters, 13 doz. pot holders, 36 doz. mattress ticks, 35 doz. night shirts, 33 doz. night dresses, 16 doz. napkins, 25 pr. overdresses, 304 doz. pillow cases, 437 doz. sheets, 8 doz. pack sheets, 12 doz. rubber sheets, 9 restraint sheets, 17 doz. draw sheets, 48 doz. shirts, 55 doz. shorts, 8 doz. surgical gowns, 3 doz. isolation gowns, 27 doz. surgical supplies, 18 rolls bandage, 1 doz. smocks, 95 doz. spreads, 12 shrouds, 17 doz. slips — dress, 42 doz. table cloths. Towels; 594 doz. hand, 539 doz. bath, 158 doz. dish, 3 doz. utility cases, 330 window shades.

All articles which were examined at the laundry and were found in need of mending were sent to the mending room where great care was observed in making repairs on all articles which could be reconditioned for use. All articles not considered worth repairing were used as salvage material in the mending room prepared for the manufacture of rugs and other useful articles.

#### MEN'S INDUSTRIAL

*Director*, Mr. Henry A. Turner. The building of the new laundry made available for industrial purposes a large area on the second floor of the old laundry building. Old partitions were removed and new ones installed providing a separation of the wood-working from the other departments. However, by means of glass panels in the partitions it is possible for those at work to be under close supervision. A power hair carding machine was installed which greatly facilitates the cleaning of hair in the process of remaking mattresses. Increased space and better arrangement has greatly facilitated production.

*Manufactured:* — 21 corn brooms, 39 window shades, 12 trick platform skids, 1 bench, 1 typewriter table, 1 ironing board, 1 truck cover, 4 kitchen dippers, 2 bed cradles, 1 bookcase, 1 rolling pin, 2 bread boards, 235 pillows, 488 mattresses, 2 strong mattresses, 1 double mattress, 1 cabinet base, 2 canning benches, 4 carving boards, 4 kitchen paddles, 2 doz. bed feet, 1 barber's chair, 30 lavatory pedestals, 1 wagon cover, 3 mop pails, 4 long handled scrub brushes, 335 yds. toweling, 153 window shades.

*Repaired:* — 477 shoes nail soled, 273 stitch soled shoes, 599 shoes heeled, 327 shoes patched, 156 leather articles, 97 brushes, 418 handles, 3 settees scraped, 17 tables scraped, 130 chairs scraped, 279 pcs. furniture refinished, 31 chairs — re-caned, 63 clocks, 66 chairs, 10 dishwasher trays, 49 tables, 112 drawers, 808 chairs, 54 scissors sharpened, 54 spectacles, 1 slicing machine remodeled, 9 saws sharpened, 1 ice cream freezer, 2 carving knives rehandled, 160 mop pails, 1 tractor operators tent sewed, 4 floor polishers repaired, 1 mail box, 2 chairs upholstered, 1 radio screened at back, 2 hammers rehandled, 1 woodworking machine, 23 benches, 2 dippers rehandled, 1 billiard table, 1 filing tray, 34 pcs. clothing, 33 pcs. clothing pressed, 6 smoking pipes repaired, 1 picture framed, 8 long handled scrub brushes, 1 grand piano casing.

*Canning:* — 2,278 cans string beans; 484 cans sweet corn; 5,591 cans tomatoes; 1,055 cans squash; 926 cans onions.

#### PATHOLOGICAL AND RESEARCH

Dr. David Rothschild has continued as pathologist and director of research, and the Laboratory has been in charge of Mr. Charles Hamburg. The policy of training one student in laboratory technique has been continued.

*Pathological Department:* Fifteen autopsies were performed during the period from December 1, 1936 to November 30, 1937. This constituted 16.8 per cent of the deaths occurring in the hospital. The psychiatric diagnoses in these cases were as follows: Senile psychoses, 4; psychoses with cerebral arteriosclerosis, 3; general paresis, 2; dementia praecox, paranoid type, 2; dementia praecox, hebephrenic type, 1; psychoses with other brain or nervous disease, 1; psychoses with other somatic disease, 1; involuntional melancholia, 1.

The post mortem examinations disclosed the following primary causes of death in these cases:

Generalized arteriosclerosis, 3; senile dementia, 1; general paresis, 1; cerebral hemorrhage with cardiorenal disease, 1; chronic pachymeningitis with myocardial degeneration, 1; acute endocarditis and cerebral arteriosclerosis, 1; hyperthermia and bronchopneumonia, 1; intestinal obstruction, 1; cellulitis of right arm, 1; bilateral adrenal hemorrhages and aortic valvular disease, 1; lung abscess and empyema of gall bladder, 1; cerebral thrombosis with cerebral softenings, 1; acute purulent bronchitis with purulent thrombosis of left auricle, pulmonary infarct and multiple aortic thrombi, 1.

As regards histological work, it was possible to gether a group of 28 cases of psychoses with cerebral arteriosclerosis for detailed study. Specimens received from the operating room were examined by the usual histologic methods.

#### CHEMICAL, BACTERIOLOGICAL AND SEROLOGICAL DEPARTMENT

As in past years all new patients admitted to the hospital were studied from a laboratory point of view. The routine work performed in each case consisted of a complete blood count, five urinalyses and determinations of the sugar and non-protein nitrogen content of the blood. Further tests were carried out at the request of the medical staff. A total of 533 blood counts and 2,714 urinalyses were made during the year. The blood chemical non protein nitrogen 443, calcium 40, uric acid 14, urea 7, chlorides 5, phosphorus 3, and serum protein 1 determination. In 5 cases quantitative determinations of the bromide content of the blood were made.

There were 135 specimens of spinal fluid examined. In all cases cell counts and colloidal gold tests were performed. The total protein was determined in 129 cases. The following additional quantitative chemical studies of the spinal fluid were made: Sugar 121 determinations, non protein nitrogen 121, calcium 33, and chlorides 2 determinations. The distribution ratio of bromide between blood and spinal fluid was estimated in 109 cases.



During the course of the year 29 basal metabolism tests, 14 examinations of feces and 7 of gastric contents, and 11 Van Den Bergh tests were performed. The blood sedimentation rate was determined in 87 cases. Sugar tolerance tests and the Friedman modification of the Ascheim-Zondek test were carried out at the request of the physicians.

The bacteriological work included examinations of 100 specimens of sputum and 100 miscellaneous specimens, such as throat cultures and smears, etc. Guinea pig inoculations were used for diagnostic purposes at the request of the physicians.

In addition to the foregoing work many procedures were performed on employees during the year.

The weekly syphilitic treatments have been continued. Owing to the larger number of patients the treatments were given on two days weekly. During the course of the year 33 patients were given 711 intravenous injections of tryparsamide and 54 patients were given 735 intramuscular injections of bismuth. Malaria therapy was given to several patients who were considered suitable for such treatment.

The following paper was published during the year:

"Pathologic Changes in Senile Psychoses and Their Psychobiologic Significance", by D. Rothschild, American Journal of Psychiatry, Volume 93, Page 757, January 1937. This paper was read at the annual meeting of the American Psychiatric Association held in St. Louis, May 4th to 8th, 1936.

A paper on "Psychoses with Cerebral Arteriosclerosis, a Clinicopathologic Study of 28 Cases", was read at the annual meeting of the American Psychiatric Association held in Pittsburgh, May 10th to 14th, 1937.

At the present time a paper on "Senile Chorea and its Relation to Huntington's Chorea", is being prepared for publication.

#### BROCKTON NEUROPSYCHIATRIC CLINIC

Almost forty per cent of the total number of new patients were referred to the clinic by physicians from the surrounding communities. Social agencies and the various school authorities each referred slightly less than ten per cent of the new cases. Twenty-four patients were sent to the clinic by the police under Chapter 215 of the regulations governing juvenile delinquents. Twenty-five patients were referred by the staff of the Brockton Hospital and eighteen by the staff of the Foxborough State Hospital.

During the course of the year 594 visits were made to the clinic. There were 186 new cases, consisting of 119 male and 67 female patients. Of this number, 56 patients were under the age of sixteen years, and 11 were between the ages of sixteen to eighteen years inclusive. There were 33 reopened cases, and 30 cases continued from the previous year, making a total of 249 patients seen at the clinic during the period under review.

Exclusive of the juvenile delinquent group referred by the courts, 28 consisted of various types of conduct disorders in children or adolescents below the age of sixteen years. Of these 3 patients were of border-line intelligence, 6 were of dull normal, and 7 of high-average or superior intelligence. In most cases general unstable behavior was the chief difficulty. In 4 cases, the chief complaint was unruliness in school and in 3 cases stealing was a prominent factor. Enuresis was the chief problem in one case and sexual difficulties in another.

Among the 17 juvenile delinquents examined under Chapter 215, General Laws, 2 patients were feeble-minded, 4 were of border-line intelligence, 4 were of dull normal, and 7 were of normal intelligence. The majority of this group showed asocial traits with stealing a prominent factor. In 2 cases, sexual delinquencies were the disturbing features.

Exclusive of the two cases mentioned in the foregoing paragraph, 2 cases consisting of 4 children and 5 adults, were classed as feeble-minded. In this group, the chief problems were general conduct disturbances and slowness in learning.

A diagnosis of psychoneurosis or neurosis was made in 32 cases. In the majority of instances, the symptoms were not typical of any of the classical diagnostic groups. There were 9 cases of traumatic neurosis.

In 33 cases, psychoses of various types were encountered. Of these 13 patients were referred to the clinic from the hospital for follow-up work. Among the other cases, affective psychoses were the commonest type of disorder.



There were neurological disorders in 57 cases. There were 8 cases of head trauma and 6 of trauma to peripheral nerves. Nerve or plexus lesions of non-traumatic origin were exhibited by 6 patients. In 5 cases epilepsy was suspected or definitely diagnosed. There were 4 cases of cerebral arteriosclerosis, 2 of acute poliomyelitis, 1 of multiple sclerosis, 1 of neuro-syphilis, and a variety of miscellaneous conditions were observed.

The psychological department of the Foxborough State Hospital has aided greatly in the work of the clinic. A total of 61 patients were given psychological tests. During the year there were 55 Stanford tests, 23 performance tests, 5 school tests, 1 Merrill-Palmer series, 1 Minnesota Pre-School test and 1 Kent-Oral test.

The Social Service Department has continued to help in the work of the clinic. The various social agencies and the school nurses have cooperated in the work.

As in past years, the staff of the Brockton Hospital has made good use of the facilities of the clinic. During the year 98 patients were seen in consultation on the wards of the Brockton Hospital.

In closing this report, we wish to express our appreciation to Dr. Hollister and others of the staff of the Brockton Hospital and to the various agencies and individuals in the community for the help and cooperation extended to us at all times.

#### SCHOOL CLINIC

The work of the school clinics from December 1, 1936 to February 1, 1937, was conducted by Dr. Morris L. Sharp, assisted by Miss Alice M. Fleming, psychometrist. From February 8, 1937, to May 27, 1937, the position was taken by Dr. Joan F. McGreevy. She also was assisted by Miss Fleming. From September 1, 1937 through November 30, 1937 the school clinic has been under the direction of Dr. Mary Hammond. The psychometrics for that period have been done by Miss Lillian F. Shapiro. The school clinic histories have been obtained by the local school nurses who have cooperated with understanding and interest in the work. The school tests were done by the psychiatrist except in two or three towns where they have been done by substitute teachers in advance of the clinic.

We have had excellent cooperation from school authorities. All towns visited have made arrangements for providing school work to the capacity of the backward children and for classes in manual training. There have been several requests for the clinic to examine and make recommendations for behavior problems. Some of these children have been referred for further study and treatment to various Mental Hygiene clinics. The results of these recommendations we do not at present know. We have been requested by several towns to consider visiting them oftener than once a year to help with these problems in addition to the routine examinations of the retarded.

During the year the traveling clinic has examined children in the towns of Hull, Sharon, Stoughton, Braintree, Bellingham, Milton, Needham, Walpole, East Bridgewater, Wrentham, Cohasset, Wellesley, Foxborough, Norton, Plainville, Norwood, and Mansfield.

The total number of children examined during the year was 382; 274 boys and 108 girls. The majority of these were referred as retarded, a small percentage as presenting behavior or personality difficulties. There were 13 boys and 5 girls with I.Q. above 100. Of the total number, 71, found to be feeble-minded, 44 were boys and 27 girls. A high percentage of children examined were failing in school because of reading disabilities of varying degrees of severity. Remedial reading was recommended to many. The majority fell into the dull normal and borderline groups in the proportion of 3 boys to 1 girl.

The psychometrist's work was done mainly in connection with the traveling school clinic cases. She also examined hospital cases, Briggs Law cases and Brockton Clinic cases. Stanfords, 44. Performance, 7. Wells Memory, 3. Deterioration Study, 20. Kent Oral, 7; Brockton Clinic, 61. Stanfords, 55. Performance, 23. School Tests, 5. Merrill-Palmer, 1. Minnesota Pre-School, 1. Kent Oral, 1. Deterioration, 1; Briggs Law Cases, 44. Stanfords, 43. Performance, 12. Kent, 1. Deterioration, 1.

## DENTAL DEPARTMENT

Dr. Edward L. Small has continued as resident dentist assisted by Miss Pearl Vincent as dental hygienist. Patients were treated as follows:—

Number treated, 2,677; operations performed, 1,783; fillings, 344; cleanings, 397; extractions, 1,015; full dentures made, 38; denture repairs, 29.

## SOCIAL SERVICE

*Director*, Miss Elizabeth L. Moseley. In conducting the work of the department, Miss Moseley was assisted by one Psychiatric Social Worker. In March Mrs. Rebecca Casher who had been in the department for nearly seven years submitted her resignation. On September 8, 1937, Miss Harriet W. Carter was appointed to fill the vacancy.

During the year since December 1, 1936, this department has dealt with a total of 806 cases (418 male and 388 female). Of these 475 (274 male and 201 female) were referred to this department for the first time. By comparison with the report of last year it will be noted that this is an increase of 75 patients over the number dealt with in that year. This total number divides itself into two main groups; namely, those patients under commitment to the hospital, which number for the year 568 (266 male and 302 female), and those persons dealt with in the community not under commitment, which number was for the past year 238. Of those patients under commitment, 272 (132 male and 140 female) were new admissions to the hospital, and as usual were automatically taken by this department for a social history and investigation.

At this point it is interesting to note again the large number of acute cases that have been coming to the hospital recently. This means, naturally, that the Social Service investigation must be made within a limited time and often much more intensively than is necessary under the ordinary regular commitments. Although with the increased admission rate and the larger number of acute cases to be handled in this way, the largest proportion of the Social Worker's time must necessarily be spent on this group of cases. We are more and more convinced that this is the proper time for her to make the initial contact, and that with the securing of the patient's history at this point, she is given naturally a friendly contact with the family and a more complete understanding of the whole situation than she could possibly get in any other way.

There have been during the year, 203 patients out on prolonged visit from the hospital and 8 placed under Family Care through this department. Of the patients on visit 83 were men and 120 women; of the patients under Family Care, 5 were women placed at housework in private families, two were women boarded privately, their relatives being responsible for their board. All of these patients have been under the general supervision of this department, having been visited in their homes and interviewed while reporting either at this hospital or at one of our two Out-Patient Clinics. Of those living in the greater Boston district 51 have been reporting at our monthly evening clinic held at the Boston Psychopathic Hospital, where there has been a total of 170 visits. One member of this department always attends this clinic with the two physicians, and has held there a total of 136 interviews, 87 with patients and 49 with relatives or friends accompanying them. These interviews are, of course, in addition to those held by the physicians and deal especially with the social situation in each case. In a number of these cases intensive social treatment has been necessary in helping the patient to adjust again to the community. We would like to express our appreciation of the cooperation given on such cases by the local children's agencies both in Boston and in surrounding communities, and by such other social agencies as the local Public Welfare Department, Family Welfare Association, etc. with whom we have had many pleasant contacts.

Of the community cases, not under commitment to the hospital the largest group has been that of patients coming to our Brockton Neuropsychiatric Clinic, which two members of this department attend each week. There were 207 such patients dealt with in the clinic (121 male and 86 female) and a total of 325 interviews were held, 75 with patients and 250 with other interested individuals. Many of the latter mentioned have been social workers accompanying the patients to the clinic,

or visiting nurses, not only in the city of Brockton, but from a number of surrounding towns, from which we also draw many of our patients. A comparison of the above figures with those of the preceding year, shows that in our community work also we have dealt with a much larger number of cases, which proves that the Clinic is expanding constantly and is being made use of more and more by the local agencies as well as physicians and other individuals in the community.

In this Clinic group we have studied the cases of 19 Juvenile Delinquents referred to us from the local district court, in accordance with the recent law requiring a mental examination on such children prior to their being sent to a reform school, etc. In this group there were 17 boys and 2 girls. Of the boys 4 were 16 years of age, 6 were 15, 2 were 14, 4 were 13, 2 were 12 and 1 was only 10 years old.

The total number of interviews required for this work during the year was as follows:

Interviews at hospital with interested individuals . . . . .	669
Interviews with patients on the ward . . . . .	39
Visits to patients out on visit from the hospital . . . . .	125
Visits to relatives of patients . . . . .	245
Visits to social agencies . . . . .	186
Visits to other interested individuals (employers, etc.) . . . . .	482
Interviews at Out-Patient Clinics . . . . .	461
Total . . . . .	2,207

#### TRAINING SCHOOL FOR PSYCHIATRIC NURSING

The year 1937 marks the fifth anniversary of our psychiatric graduates. On October 13, diplomas were presented to the 7 women and 1 man who have this year successfully completed the course. Of the 27 women and 5 men to graduate during the five year period, 17 women and 3 men remain in the service of the hospital.

On October 1, a class of 9 women and 7 men was enrolled. The class of 1938 has an enrollment of 6 women and 2 men.

During the year 8 women and 4 men completed the 30-hour attendant course. At the present time 15 women and 9 men are taking the first year work of the new 75-hour attendant course.

Throughout the year representatives from the nursing staff attended the meetings and conventions of the various nursing organizations. Students: Class of 1937, 7 women, 1 man; Class of 1938, 6 women, 2 men; Class of 1939, 9 women, 7 men. Instruction: — Class; Lectures, 321 hours; study periods 54 hours; examinations 36 hours. Technique of Continuous Bath 72 hours. Supervised practice for Senior students: Drug Room, 160 hours; Occupational Therapy, 16 hours; Pack Room, 2,070 hours; Continuous Baths 801 hours; Diet Kitchen 28 weeks.

Lecture course to attendant nurses was given as prescribed.

#### ENTERTAINMENT

The excellent facilities for entertaining afforded by the new Assembly Building were used for the regular dances, moving pictures and in addition many entertainments were furnished by talent furnished by various organizations in the community. These were much enjoyed by patients and employees. The American Legion, American Legion Auxiliary, The Veterans of Foreign Wars and the Veterans of Foreign Wars Auxiliary, continued to visit frequently the ex-service men in the hospital providing them with gifts and entertainment. We would take this opportunity of expressing our appreciation of the thoughtfulness on the part of the various organizations which prompted them to give so generously of their time.

#### RELIGIOUS SERVICES

Religious services were held regularly each Sunday with special observance on Easter and Christmas. The clergymen of the town of Foxborough have faithfully rendered service to the hospital during the year and we would take this opportunity of expressing our appreciation of their cooperation in the care of the patients.



## LAUNDRY

The work in the new laundry has progressed very satisfactorily and a great increase in efficiency has been observed as a result of the more suitable place in which to work and of the new equipment which was added last year. Approximately 1,722,293 pieces were laundered during the year and free use was made of the new high temperature sterilizer for treatment of mattresses and other articles.

## POWER HOUSE

*Chief Engineer*, Mr. William W. White. The new boilers, steam generator and other equipment recently installed under the Public Works Administration have added greatly to the efficient operation of the institution as a whole, providing an adequate supply of heat, light, and power.

The installation of sprinkler systems in the attics and basements of buildings B, D, and E was completed. Additional fire extinguishers were purchased and located. All hose lines on standpipes were repaired where needed. In some buildings new stand pipes were installed or relocated in more advantageous positions.

A considerable amount of welding was done during the year. Nearly all material used was salvaged from various projects. Besides changes in and additions to various steam and water lines, many useful articles were manufactured and repairs made to machinery, hand rails were installed, etc. In the main the new refrigeration has been satisfactory. The change in the rating of the horse power of the engine has permitted a classification from a first-class to a second-class power plant with a resulting reduction in maintenance costs for personnel. Under a repair and renewal the indirect heating system was installed in Buildings D and E, and is now operating very satisfactorily. A section of the water main around the power house was re-located. This was a repair and renewal. The steam regulator and other accessories in the operating room were replaced and the equipment fully modernized. Additional cess pools were built at the colony farm. The rewiring of the carpenter shop was completed. A change of fan drives from steam to electric in a number of the buildings has added greatly to the efficiency of the heating system.

The electric shop has been moved to the space formerly occupied by the Industrial Shop. Besides this many repairs of a minor nature were met by the power plant personnel during the year.

## REPAIR DEPARTMENT

*Maintenance Foreman*, Mr. George P. Clark. In addition to many ordinary repairs made during the year a number of important projects were completed under Repairs and Renewals as follows. Cottage B., renovated. New outside entrances to basements of front stairways in ward buildings A, K, and O. A parapet wall built around coal pocket. Certain outside doors repaired. A new garage constructed. The parking space adjacent to the Administration Building was graded and resurfaced, and a considerable amount of grading was done in various locations on the hospital grounds. Under the Works Progress Administration grading was done adjacent to the Employees' Home.

As a painting project the kitchen of the Central Service Building, the front stairways of ward buildings M & N, and the Laboratory in building A were repainted.

## FARM

*Head Farmer*, Mr. Charles H. Thurston. Another tractor was added to the farm equipment making a complete substitution of motorized and horse drawn equipment. By use of tractors a considerable quantity of land was cleared and prepared for cultivating. In general the crop production was very satisfactory. As an emergency measure the old Assembly Building was used temporarily for vegetable and root storage. The location of this building rendered it particularly well suited for this purpose and a request for special appropriation has been made to make needed alterations to render it suitable for such use without undue loss to the crops during storage. Besides what could be consumed during the season a large quantity was stored for hospital consumption and the following canned. 2,278 gal. string beans; 484 gal. sweet corn; 5,591 gal. tomatoes; 1,055 gal. squash.



The farm production was as follows Milk produced 448,121.8 lbs.; calves sold, 31; calves, raised, 11; calves vealed, 2; cows beef, 8,872 lbs. at \$787.20; eggs produced 82,781 — \$2,414.30; chicks purchased, 1,512; pigs born, 317; fresh pork, 60,498 — \$8,469.72; broilers, 2,160 lbs. — \$605.01; fowl, 2,788 lbs. — \$585.48; hides, 826 lbs. — \$33.04; veal 153 lbs. — \$16.83. Vegetables: — 596,885 lbs.; sweet corn fodder 105,735 lbs.; Fruit: 13,044 $\frac{3}{4}$  lb. Hay: 293,860 lbs.; Millet 98,875; Onion sets 2,500.

#### APPROPRIATIONS AND RECOMMENDATIONS

For the year 1937 the sum of \$13,260 was appropriated for the following under repairs and renewals: Modernizing sterilizers in operating room; plumbing fixtures for male wards; tools for engine room; hollow metal doors and jambs for certain wards; parapet wall around the coal pocket; construction of bin and repairs to stone crusher; steel garage for Cottages G and J; replacement of certain outside doors; kitchen equipment and new tables for main dining room, repairs to dairy, repairs to piggery, rewiring of Cottage C, window screens; interior window guards; linoleum for female wards; fireproofing of basement of Building O; cutting in additional entrances to stairways in Buildings A and K; new fire doors in Building E; rewiring old laundry for carpenter shop.

*The Special Appropriations:* \$8,000 for the relocation of toilets in Building E and \$2,500 for completion of a hydrotherapeutic suite in Building O.

On December 15, 1936, the new building for the treatment of tuberculous cases was opened for patients' use. It is known as Building T. It consists of two floors, the first occupied by men and the second by women. It is especially constructed and equipped for the care of patients ill with tuberculosis regardless of the mental condition.

In the summer of 1935, as a project under the Public Works Administration, the work of remodelling the Power House was begun. Many changes were made in the building. The old boilers were removed and replaced by those of modern type equipped for the burning of oil and a new turbine generating equipment was installed. In 1936 the new boilers were put into use and by January 1937 the generating equipment was put into service. As part of the same project a new refrigerating equipment was installed and has thus far been quite satisfactory in its operation. This work was greatly needed to be done in order to provide the hospital with an adequate supply of steam for heat, light and power.

Window guards on certain of the buildings occupied by women were badly in need of replacement and this was done under a special appropriation. At the same time other necessary changes were made in the window arrangement of the same wards. The appropriation for this was granted in 1936 and the work completed in 1937.

Appropriations are still needed to meet the growth of the institution and to provide better facilities for the type of care necessary for medical and surgical cases and those of the disturbed type. We recommend the purchase of certain parcels of land bordering on Payson Road which are now almost entirely surrounded by hospital property. It would make possible the closing of Payson Road for traffic thus providing necessary land for additional buildings and space greatly needed for the exercising of patients in the open air; estimated cost, \$15,000. Consideration should be given to the purchase of two parcels of land bordering along the south side of the hospital property with a view to squaring up the hospital land and provide for a relocation of Chestnut Street from its present location thus doing away with high-speed traffic on a highway which passes directly through the hospital grounds and jeopardizes the safety of the patients; estimated cost, \$10,650. For the further development of the Colony Farm we recommend the purchase of approximately eighty acres of land directly adjoining the hospital property to provide acreage for tillage, and for the location of a new piggery; estimated cost, \$9,000. It is recommended to complete the sprinkler system in the attic and basement of Building C, in the barn at the Colony and in two cottages occupied by employees; estimated cost, \$12,500. In conjunction with this it seems advisable to erect an elevated storage tank for water to provide an adequate supply at all times for the operation of the sprinkler system and to provide for a reserve in case of an emergency; estimated cost, \$30,000. For the care of disturbed

patients we recommend the remodelling and fireproofing of the east wing of Building O and additions thereto including open porches; estimated cost, \$115,000. There is urgent need for remodelling Building C, the second floor of which is now occupied by employees, to be used entirely for patients after being rendered essentially fire-proof and fully modernized; estimated cost, \$40,000. The present dining room and kitchen equipment are taxed beyond their limit in the preparation and serving of meals for patients and employees. The bakery is small and poorly located. Much of the kitchen equipment is now in need of replacement. We propose the building of an employees cafeteria, certain changes in the kitchen and present dining room and the installation of special equipment to provide for cafeteria service for both patients and employees; estimated cost, \$125,000. For the care of medical and surgical and infirm patients the construction of a new building is recommended to provide for 308 patients and 20 sick employees, with operating rooms and all other necessary facilities; estimated cost of construction, equipment and furnishings, \$885,000. Additional quarters for employees are greatly needed and we propose the erection of a home for women employees to provide quarters for women physicians, heads of departments and for administrative and other groups including many now residing in the community and receiving lieu of maintenance; capacity, eighty; estimated cost, \$150,000. The old Assembly Building which is now being used temporarily for vegetable storage should be remodelled and equipped for this purpose in order to prevent unnecessary spoilage; estimated cost, \$10,000. The present piggery is in need of replacement and it is proposed to build a new one of modern type located at the Colony Farm; estimated cost, \$15,000. A great deal of new construction has been done in recent years under contracts which did not include any finished grading. Besides this many unsightly irregularities on the hospital grounds should be removed and an appropriate field for the recreational use of patients should be made. This would require the use of a shovel and trucks to do the grading and landscaping; estimated cost, \$15,000. The present hydrotherapeutic suite located in the Administration Building should be removed to a ward building and certain additions made thereto; estimated cost, \$10,000.

In addition to this the following smaller items should be considered: Increase size of steam and hot water main along the main corridor and installation of steam mains on Baker street; remodelling of and small addition made to Cottage C; oil burners for the Colony Farm; new hennery at the Colony Farm; alterations to hay barn to provide better storage; alterations to tool house and garage, installation of a grounds lighting system; building wagon and tool shed at Colony Farm; estimated aggregate cost \$48,420.00.

#### ACKNOWLEDGMENTS

The intra-mural work of the hospital has been greatly facilitated by the excellent cooperation received from school officials, welfare organizations, the courts and many others.

Many entertainments have been donated through the kindness of several local dramatic clubs. The American Legion, the American Legion Auxilliary, the Veterans of Foreign Wars and the Veterans of Foreign Wars Auxilliary continued to visit faithfully the Ex-service men bringing confectionary and other gifts and helping in various ways to entertain them. Many copies of magazines have been donated to the hospital.

I would take this opportunity of expressing my appreciation of the assistance rendered by the Board of Trustees in administering the affairs of the hospital and gratefully acknowledge the loyalty and faithfulness of the hospital personnel in carrying on the work of their departments.

Respectfully submitted,  
RODERICK B. DEXTER,  
*Superintendent.*

## VALUATION

November 30, 1937

## REAL ESTATE

Land, 352.4 acres	\$35,400.00
Buildings and betterments	2,366,636.24

\$2,402,036.24

## PERSONAL PROPERTY

Travel, transportation and office expenses	\$598.92
Food	13,412.15
Clothing and materials	20,519.59
Furnishings and household supplies	208,773.88
Medical and general care	38,357.84
Heat and other plant operation	2,977.99
Farm	43,827.26
Garage and grounds	11,537.33
Repairs	23,312.87

\$363,317.83

## SUMMARY

Real estate	\$2,402,036.24
Personal property	363,317.83

\$2,765,354.07

## FINANCIAL STATEMENT

To the Department of Mental Diseases:

I respectfully submit the following report of the finances of this institution for the year ending November 30, 1937.

## STATEMENT OF EARNINGS

Board of patients	\$48,601.04
Personal services	153.23

## Sales:

Travel, transportation and office expenses (sales books)	\$ .13
Food	465.94
Furnishings and household supplies	48.38
Medical and general care	225.40
Heat and other plant operations	.50
Repairs ordinary	101.80
Farm: (horse shoes, horses and harnesses, \$11; barrels and bags, \$16.63; calves, bull and shoat, \$124; vegetables, \$172.49; hides, \$67.38)	391.50

1,233.65

## Miscellaneous:

Rents (garage, \$48; house, \$240)	\$288.00
N. E. Tel. & Tel. Co., Comm.	65.19

353.19

## Total Miscellaneous

Total earnings for the year	\$50,341.11
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Total cash receipts reverting and transferred to the State Treasurer	50,082.60
--	-----------

Accounts receivable outstanding December 1, 1936	\$1.00
--	--------

Accounts receivable outstanding November 30, 1937	259.51
---	--------

Accounts receivable increased	\$258.51
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## MAINTENANCE APPROPRIATION

Balance from previous year, brought forward	\$2,981.49
Appropriation, current year	589,260.00

\$592,241.49

## Total

## Expenditures as follows:

Personal services	\$317,573.66
Food	99,760.30
Medical and general care	10,594.04
Religious instruction	1,360.00
Farm	25,946.18
Heat and other plant operation	55,508.81
Travel, transportation and office expenses	5,944.73
Garage and grounds (garage, \$3,694.13; grounds, \$805.72)	4,499.95
Clothing and materials	16,458.91
Furnishings and household supplies	23,465.80
Repairs ordinary	11,091.30
Repairs and renewals	15,626.52

## Total maintenance expenditures

\$587,830.10

Balances of maintenance appropriation November 30, 1937	4,411.39
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\$592,241.49



SPECIAL APPROPRIATIONS		
Balance December 1, 1936, brought forward		\$45,855.59
Appropriations for current year		9,297.49
Total		\$55,153.08
Expended during the year	\$43,419.93	
Reverting to Treasury of Commonwealth	101.48	
		43,521.41
Balance November 30, 1937, carried to next year		\$11,631.67

APPROPRIATION	Act or Resolve (Year)	Total Amount Appropriated	Expended during fiscal year	Total Expended to date	Balance end of year
Laundry building and equipment					
MSP M-8		\$104,987.77	\$852.25	\$104,892.78	\$94.99
Pavilion T. B. patients and verandas, MSP M-9-30		226,582.92	1,906.18	226,582.92	-
Assembly building and tunnel, MSP M-31		131,200.18	-	130,014.49	1,185.69
Boiler house, MSP M-32		185,358.59	26,165.05	184,305.30	1,053.29
Sewer beds, MSP M-102		49,868.21	417.27	49,868.21	-
Hydrotherapeutic suite equipment	1935	12,500.00	4,616.47	12,469.33	30.67*
Fire protection	1935	8,000.00	2,018.96	7,929.19	70.81*
Window guards	1936	9,000.00	6,452.65	6,711.20	2,288.80
Relocation E building toilets	1937	8,000.00	991.10	991.10	7,008.90
		\$735,497.67	\$43,419.93	\$723,764.52	\$11,733.15

## PER CAPITA

During the year the average number of patients has been, 1,310.328

Total cost of maintenance, \$587,830.10.

Equal to a weekly per capita cost, \$8.6271.

Total receipts for the year, \$50,082.60.

Equal to a weekly per capita of, \$.7350.

Total net cost of maintenance for year, \$537,747.50.

Net weekly per capita, \$7.8921.

Respectfully submitted,

HARRIETT S. BAYLEY,

Treasurer.

Financial statement verified.

Approved.

GEORGE E. MURPHY,

Comptroller.

## STATISTICAL TABLES

AS ADOPTED BY THE AMERICAN PSYCHIATRIC ASSOCIATION PRESCRIBED BY  
THE MASSACHUSETTS DEPARTMENT OF MENTAL DISEASES

TABLE 1. General Information

(Data correct at end of institution year November 30, 1937)

Date of opening as a hospital for mental diseases, August, 1914.

Type of hospital: State.

Hospital plant:

Value of hospital property:

Real estate, including buildings . . . . . \$2,402,036.24

Personal property . . . . . 363,317.83

Total

Total acreage of hospital property owned, 352.4

Additional acreage rented, 17.

Total acreage under cultivation during previous year, 85.

Officers and employees:

	Actually in Service at End of Year			Vacancies at End of Year		
	M.	F.	T.	M.	F.	T.
Superintendents . . . . .	1	-	1	-	-	-
Assistant physicians . . . . .	5	2	7	-	-	-
Total physicians . . . . .	6	2	8	-	-	-
Stewards . . . . .	1	-	1	-	-	-
Resident dentists . . . . .	1	-	1	-	-	-
Pharmacists . . . . .	1	-	1	-	-	-
Graduate nurses . . . . .	-	17	17	-	2	2
Other nurses and attendants . . . . .	80	83	163	-	-	-
Occupational therapists . . . . .	-	3	3	-	-	-
Social workers . . . . .	-	2	2	-	-	-
All other officers and employees . . . . .	73	53	126	-	-	-
Total officers and employees . . . . .	162	160	322	-	2	2



*Classification by Diagnosis September 30, 1937*

Census of Patient Population at end of year:

	Actually in Hospital			Absent from Hospital but still on Books		
	M.	F.	T.	M.	F.	T.
WHITE						
Insane . . . . .	579	714	1,293	55	67	122
Alcoholics . . . . .	—	1	1	—	—	—
All other cases . . . . .	—	1	1	—	—	—
Total . . . . .	579	716	1,295	55	67	122
OTHER RACES:						
Insane . . . . .	27	20	47	2	—	2
Total . . . . .	27	20	47	2	—	2
Grand Total . . . . .	606	736	1,342	57	67	124
	M.			F.		
Patients under treatment in occupational-therapy classes, including physical training, on date of report . . . . .	35			123		
Other patients employed in general work of hospital on date of report . . . . .	277.545			208.177		
Average daily number of all patients actually in hospital during year . . . . .	589.453			711.001		
Voluntary patients admitted during year . . . . .	1			2		
Persons given advice or treatment in out-patient clinics during year . . . . .	161			103		
				T.		
				158		
				485.722		
				1,300.454		
				3		
				264		

TABLE 2. *Movement of Patient Population for the Year Ended September 30, 1937*  
(Data in all of the following tables are based on the Statistical Year, October 1, 1936 to September 30, 1937)

	TOTAL			REGULAR COURT COMMITMENT (INSANE)			OBSERVATION			TEMPORARY CARE			VOLUNTARY		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Patients on books of institution September 30, 1936	634	761	1,395	633	761	1,394	1	-	1	-	-	-	-	-	-
Admissions during year:															
First admissions	95	106	201	78	90	168	13	10	23	3	5	8	1	1	2
Readmissions	50	31	81	42	28	70	15	1	16	6	1	4	-	1	1
Total admissions	145	137	282	120	118	238	18	11	29	9	6	12	1	2	3
Transfers from other hospitals	12	25	37	12	25	37	-	-	-	-	-	-	-	-	-
Total received during year	157	162	319	132	143	275	18	11	29	6	6	12	1	2	3
Total on books during year	791	923	1,714	765	904	1,669	19	11	30	6	6	12	1	2	3
Discharged from books during year:															
As recovered	23	13	36	12	10	22	7	2	9	4	1	5	-	2	2
As unimproved	29	33	62	27	29	56	2	2	4	-	-	-	-	-	-
As without psychosis	6	11	17	5	9	14	1	-	1	-	2	2	-	-	-
Total discharged to community	67	65	132	45	49	94	6	4	10	1	3	4	1	-	1
Transferred to other mental hospitals	11	15	26	11	15	26	16	8	24	5	6	11	1	2	3
Died during year	50	40	90	46	40	86	-	-	-	-	-	-	-	-	-
Total discharged, transferred and died during year	128	120	248	102	104	206	3	-	3	1	-	-	-	-	-
Patients remaining on books of hospital at end of year:															
In hospital	606	736	1,342	606	733	1,339	-	3	3	-	-	-	-	-	-
On parole or otherwise absent	57	67	124	57	67	124	-	-	-	-	-	-	-	-	-
Total	663	803	1,466	663	800	1,463	-	3	3	-	-	-	-	-	-

## SUPPLEMENTARY DATA

	Male	Female	Total
Average daily number of patients on books during year	645.96	783.17	1,429.13
Actually in institution during year	589.19	708.13	1,297.32
In family care	84	3.82	4.66
On visit	50.57	70.42	120.99
On escape	3.34	.78	6.12
Number of patients actually remaining in institution September 30, 1937			
State	566	635	1,201
Reimbursing	40	101	141
Ex-service patients paid by Federal Government	1	5	6
Number of patients in family care September 30, 1937	-	4	4
Self-supporting	-	1	1
Private	-	1	1
Number of non-insane patients in hospital at end of institution year:			
Others	-	2	2

TABLE 3. *Nativity of First Admissions and of Parents of First Admissions*

NATIVITY	PATIENTS			PARENTS OF MALE PATIENTS			PARENTS OF FEMALE PATIENTS		
	M.	F.	T.	Fathers	Mothers	Both Parents	Fathers	Mothers	Both Parents
United States <sup>1</sup>	66	61	127	27	27	21	34	38	31
Africa	—	—	—	1	1	1	—	—	—
Canada <sup>2</sup>	5	10	15	11	13	9	15	15	12
China	2	—	2	2	2	2	—	—	—
England	1	7	8	4	3	2	8	8	8
Finland	—	—	—	—	—	—	2	1	1
Germany	—	—	—	2	2	1	—	—	—
Ireland	3	8	11	14	17	13	22	17	16
Italy	8	4	12	9	9	9	5	5	5
Poland	—	5	5	2	2	2	5	5	5
Portugal	—	—	—	1	—	—	—	—	—
Roumania	1	—	1	1	1	1	—	—	—
Russia	2	3	5	2	2	2	5	5	5
Scotland	—	—	—	1	1	1	—	1	—
Sweden	3	1	4	7	7	7	—	1	—
Turkey in Asia	1	—	1	1	1	1	—	—	—
Wales	—	1	1	—	—	—	1	1	1
Other Countries	3	6	9	4	4	4	7	7	7
Unknown	—	—	—	6	3	3	2	2	2
Total	95	106	201	95	95	79	106	106	93

<sup>1</sup>Persons born in Hawaii, Porto Rico and the Virgin Islands should be recorded as born in the U. S.<sup>2</sup>Includes Newfoundland.





TABLE 5. *Citizenship of First Admissions*

	Males	Females	Total
Citizens by birth . . . . .	66	61	127
Citizens by naturalization . . . . .	14	27	41
Aliens . . . . .	13	18	31
Others . . . . .	1	—	1
Citizenship unknown . . . . .	1	—	1
Total . . . . .	95	106	201

TABLE 6. *Race of First Admissions Classified with Reference to Principal Psychoses*

	TOTAL			With syphilitic meningo- encepha- litis	With other forms of syphilis	With other infectious diseases	Alcoholic psychoses	Traumatic psychoses	With cerebral arterio- sclerosis
	M.	F.	T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.
African (black) . . . . .	2	1	3	— — —	— — —	— — —	1 — 1	— — —	— — —
Armenian . . . . .	1	—	1	— — —	— — —	— — —	— — —	— — —	— — —
Chinese . . . . .	2	—	2	— — —	— — —	— — —	— — —	— — —	— — —
English . . . . .	21	27	48	— 1 1	— — —	— — —	2 — 2	— — —	6 6 12
French . . . . .	8	3	11	— — —	— — —	— — —	1 — 1	— — —	3 — 3
German . . . . .	3	—	3	— — —	— — —	— — —	— — —	— — —	2 — 2
Hebrew . . . . .	3	6	9	— — —	— — —	— — —	— — —	— — —	— 1 1
Irish . . . . .	20	23	43	1 — 1	— — —	— — —	2 2 4	1 — 1	4 3 7
Italian <sup>1</sup> . . . . .	9	6	15	1 — 1	1 — 1	— — —	— — —	— — —	— 1 1
Lithuanian . . . . .	3	7	10	1 — 1	— — —	— — —	— — —	— — —	— — —
Portuguese . . . . .	1	—	1	— — —	— — —	— — —	— — —	— — —	— — —
Scandinavian <sup>2</sup> . . . . .	7	2	9	— — —	— — —	1 — 1	1 — 1	— — —	1 — 1
Scotch . . . . .	1	1	2	— — —	— — —	— — —	— — —	1 — 1	— — —
Slavonic <sup>3</sup> . . . . .	3	4	7	— — —	— — —	— — —	— — —	— — —	— 1 1
Welsh . . . . .	—	1	1	— — —	— — —	— — —	— — —	— — —	— — —
Mixed . . . . .	10	25	35	2 1 3	— — —	— — —	— — —	— — —	1 2 3
Race unknown . . . . .	1	—	1	— — —	— — —	— — —	— — —	— — —	— — —
Total . . . . .	95	106	201	5 2 7	1 — 1	1 — 1	7 2 9	2 — 2	17 14 31

TABLE 6. *Race of First Admissions Classified with Reference to Principal Psychoses — Continued*

RACE	With other distur- bances of circula- tion	With convulsive disorders (epilepsy)	Senile psychoses	Involun- tional psychoses	Due to other metabolic diseases, etc.	Due to new growth	With organic changes of nervous system
	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.
African (black) . . . . .	— — —	— — —	— — —	— — —	— — —	— — —	— — —
Armenian . . . . .	— — —	— — —	— — —	— — —	— — —	— — —	— — —
Chinese . . . . .	— — —	— — —	— — —	— — —	— — —	— — —	— — —
English . . . . .	1 — 1	— — —	2 5 7	1 3 4	— — —	— — —	2 — 2
French . . . . .	— — —	— — —	— — —	— — —	— — —	— — —	— 1 1
German . . . . .	— — —	— — —	— — —	— — —	— — —	— — —	— — —
Hebrew . . . . .	— — —	— — —	— — —	— — —	— — —	— — —	— — —
Irish . . . . .	— — —	— — —	4 4	4 4	1 — 1	— — —	1 2 3
Italian <sup>1</sup> . . . . .	— — —	— — —	1 — 1	— — —	— — —	— — —	3 1 4
Lithuanian . . . . .	— — —	— — —	— — —	— — —	— — —	— — —	— 1 1
Portuguese . . . . .	— — —	— — —	— — —	— — —	— — —	— — —	— — —
Scandinavian <sup>2</sup> . . . . .	— — —	— — —	— — —	— — —	1 1	1 — 1	— — —
Scotch . . . . .	— — —	1 1	— — —	— — —	— — —	— — —	— — —
Slavonic <sup>3</sup> . . . . .	— — —	— — —	— — —	— — —	— — —	— — —	— — —
Welsh . . . . .	— — —	— — —	— — —	— — —	— — —	— — —	— — —
Mixed . . . . .	— — —	— — —	2 1 3	— — —	2 2	— — —	— 2 2
Race unknown . . . . .	— — —	— — —	— — —	— — —	— — —	— — —	1 — 1
Total . . . . .	1 — 1	— 1 1	5 10 15	1 7 8	1 3 4	1 — 1	7 7 14

<sup>1</sup>Includes "North" and "South".<sup>2</sup>Norwegians, Danes and Swedes.<sup>3</sup>Includes Bohemian, Bosnian, Croatian, Dalmatian, Herzegovinian, Montenegrin, Moravian, Polish, Russian, Ruthenian, Servian, Slovak, Slovenian.

TABLE 6. *Race of First Admissions Classified with Reference to Principal Psychoses — Concluded*

RACE	Psycho-neuroses			Manic-depressive psychoses			Dementia praecox			Paranoia and paranoid conditions			With psychopathic personality			With mental deficiency			Without psychoses		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	1	1	-	-	-
Armenian.	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chinese . . .	-	-	-	1	-	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
English . . .	-	1	1	1	4	5	3	3	6	-	1	1	-	1	1	1	1	2	2	1	3
French . . .	-	-	-	1	2	3	3	-	3	-	-	-	-	-	-	-	-	-	-	-	-
German . . .	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
Hebrew . . .	-	-	-	-	1	1	1	2	3	1	1	2	-	-	-	1	1	2	-	-	-
Irish . . .	-	1	1	1	-	1	7	3	10	2	1	3	-	-	-	-	2	2	-	1	1
Italian <sup>1</sup> . . .	-	-	-	1	1	2	1	2	3	-	-	-	-	-	-	1	1	2	-	-	-
Lithuanian . . .	-	1	1	-	2	2	1	1	2	-	1	1	1	-	1	-	-	-	-	1	1
Portuguese . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Scandinavian <sup>2</sup> . . .	-	-	-	-	-	-	2	-	2	-	-	-	-	-	-	-	1	1	1	-	1
Scotch . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Slavonic <sup>3</sup> . . .	-	-	-	-	-	-	2	-	2	-	1	1	-	-	-	-	-	-	1	2	3
Welsh . . .	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mixed . . .	-	1	1	2	6	8	3	3	6	-	1	1	-	-	-	3	3	-	3	3	-
Race unknown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total . . .	-	4	4	8	17	25	25	14	39	3	6	9	2	1	3	3	10	13	5	8	13

<sup>1</sup>Includes "North" and "South".<sup>2</sup>Norwegians, Danes and Swedes.<sup>3</sup>Includes Bohemian, Bosnian, Croatian, Dalmatian, Herzegovinian, Montenegrin, Moravian, Polish, Russian, Ruthenian, Servian, Slovak, Slovenian.TABLE 7. *Age of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	TOTAL			0-14 years			15-19 years			20-24 years			25-29 years		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis . . .	5	2	7	-	-	-	-	-	-	-	-	-	-	-	-
With other forms of syphilis . . .	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
With other infectious diseases . . .	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Alcoholic psychoses . . .	7	2	9	-	-	-	-	-	-	-	-	-	-	-	-
Traumatic psychoses . . .	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-
With cerebral arteriosclerosis . . .	17	14	31	-	-	-	-	-	-	-	-	-	-	-	-
With other disturbances of circulation . . .	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
With convulsive disorders (epilepsy) . . .	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Senile psychoses . . .	5	10	15	-	-	-	-	-	-	-	-	-	-	-	-
Involutional psychoses . . .	1	7	8	-	-	-	-	-	-	-	-	-	-	-	-
Due to other metabolic diseases, etc. . .	1	3	4	-	-	-	-	-	-	-	-	-	-	-	-
Due to new growth . . .	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
With organic changes of nervous system . . .	7	7	14	-	-	-	-	-	-	-	-	-	-	-	-
Psychoneuroses . . .	-	4	4	-	-	-	-	-	-	-	-	-	-	-	-
Manic-depressive psychoses . . .	8	17	25	-	-	-	1	1	3	2	5	-	1	1	-
Dementia praecox . . .	25	14	39	-	-	-	3	3	6	3	2	5	7	4	1
Paranoia and paranoid conditions . . .	3	6	9	-	-	-	-	-	-	-	-	-	-	-	-
With psychopathic personality . . .	2	1	3	-	-	-	1	1	-	-	-	-	-	-	-
With mental deficiency . . .	3	10	13	-	1	1	1	3	4	1	2	3	1	1	2
Without psychoses . . .	5	8	13	-	-	-	1	1	2	1	1	2	1	-	1
Total . . .	95	106	201	-	1	1	6	8	14	8	7	15	9	6	15

TABLE 7. *Age of First Admissions Classified with Reference to Principal Psychoses — Continued*

PSYCHOSES	30-34 years			35-39 years			40-44 years			45-49 years			50-54 years			55-59 years		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	-	-	-	-	-	-	1	2	3	1	-	1	2	-	2	1	-	1
With other forms of syphilis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With other infectious diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alcoholic psychoses	1	-	1	2	1	3	2	-	2	1	-	1	1	-	1	-	-	-
Traumatic psychoses	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With cerebral arteriosclerosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With other disturbances of circulation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With convulsive disorders (epilepsy)	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
Senile psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Involuntary psychoses	-	-	-	-	-	-	-	3	3	1	2	3	-	2	2	-	-	-
Due to other metabolic diseases, etc.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Due to new growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With organic changes of nervous system	-	-	-	-	-	-	1	-	1	-	-	-	-	2	2	2	2	4
Psychoneuroses	-	-	-	-	2	2	-	-	-	-	1	1	-	-	-	-	-	-
Manic-depressive psychoses	-	2	2	1	2	3	3	2	5	1	3	4	-	1	1	-	2	2
Dementia praecox	6	1	7	4	-	4	1	1	2	1	1	2	-	1	1	-	1	1
Paranoia and paranoid conditions	-	-	-	-	-	-	-	-	-	-	1	1	1	4	5	1	-	1
With psychopathic personality	-	-	-	-	-	-	-	-	-	-	1	1	1	-	1	-	-	-
With mental deficiency	-	1	1	-	-	-	-	-	-	-	1	1	-	-	-	-	1	1
Without psychoses	-	-	-	-	2	2	1	1	2	-	1	1	1	-	1	-	-	-
Total	8	4	12	7	7	14	9	10	19	5	11	16	6	10	16	4	6	10

TABLE 7. *Age of First Admissions Classified with Reference to Principal Psychoses — Concluded*

PSYCHOSES	60-64 years			65-69 years			70-74 years			75-79 years			80-84 years			85 years and over		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With other forms of syphilis	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With other infectious diseases	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
Alcoholic psychoses	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Traumatic psychoses	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
With cerebral arteriosclerosis	-	4	4	4	4	8	5	3	8	6	1	7	1	1	2	1	1	2
With other disturbances of circulation	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
With convulsive disorders (epil.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Senile psychoses	1	-	1	2	2	4	1	1	2	1	3	4	-	2	2	-	2	2
Involuntary psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Due to other metabolic diseases, etc.	1	1	2	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-
Due to new growth	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
With organic changes of nervous system	2	3	5	1	-	1	-	-	-	1	-	1	-	-	-	-	-	-
Psychoneuroses	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manic-depressive psychoses	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dementia praecox	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Paranoia and paranoid conditions	-	1	1	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
With psychopathic personality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With mental deficiency	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Without psychoses	-	1	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Total	5	12	17	9	10	19	9	4	13	8	4	12	1	3	4	1	3	4

TABLE 8. Degree of Education of First Admissions Classified with Reference to Principal Psychoses

PSYCHOSES	TOTAL			ILLITERATE			READS AND WRITES			COMMON SCHOOL			HIGH SCHOOL			COLLEGE			UNKNOWN		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis . . . . .	5	2	7	-	-	-	2	-	2	3	2	5	-	-	-	-	-	-	-	-	-
With other forms of syphilis . . . . .	1	1	2	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
With other infectious diseases . . . . .	7	2	9	-	-	-	-	-	-	6	2	8	-	-	-	1	-	1	-	-	-
Alcoholic psychoses . . . . .	2	-	2	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
Traumatic psychoses . . . . .	17	14	31	1	2	3	1	3	4	11	8	19	1	2	3	-	1	1	1	-	1
With cerebral arteriosclerosis . . . . .	1	-	1	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
With other disturbances of circulation . . . . .	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With convulsive disorders (epilepsy) . . . . .	5	10	15	-	-	-	2	1	3	1	6	7	2	2	4	-	1	1	-	-	-
Senile psychoses . . . . .	1	3	4	-	-	-	-	-	-	1	3	4	-	-	-	-	-	-	-	-	-
Involutional psychoses . . . . .	1	7	8	-	-	-	-	-	-	-	1	3	-	-	-	-	-	-	-	-	-
Due to other metabolic diseases, etc. . . . .	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Due to new growth . . . . .	7	4	11	1	1	2	1	2	3	4	3	7	-	1	1	-	-	-	1	-	1
With organic changes of nervous system . . . . .	7	4	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Psychoneuroses . . . . .	8	17	25	-	-	-	2	1	3	-	2	2	-	2	2	-	-	-	-	-	-
Manic-depressive psychoses . . . . .	25	14	39	-	-	-	2	2	4	12	5	17	1	7	8	2	1	3	-	-	-
Dementia praecox . . . . .	3	6	9	-	-	-	1	2	3	1	1	2	1	2	3	-	-	-	-	-	-
Paranoia and paranoid conditions . . . . .	2	1	3	-	-	-	-	-	-	2	1	3	-	-	-	-	-	-	-	-	-
With psychopathic personality . . . . .	3	10	13	2	3	5	-	5	5	1	2	3	-	-	-	-	-	-	-	-	-
With mental deficiency . . . . .	5	8	13	3	1	4	1	3	4	1	2	3	-	-	-	-	-	-	-	-	-
Without psychoses . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total . . . . .	95	106	201	7	8	15	14	17	31	52	47	99	15	29	44	5	5	10	2	-	2





TABLE 10. *Economic Condition of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	TOTAL			Dependent			Marginal			Comfortable			Unknown		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	5	2	7	3	—	3	2	2	4	—	—	—	—	—	—
With other forms of syphilis	1	—	1	—	—	—	1	—	1	—	—	—	—	—	—
With other infectious diseases	1	—	1	—	—	—	—	—	—	1	—	1	—	—	—
Alcoholic psychoses	7	2	9	1	1	2	5	1	6	—	—	—	1	—	1
Traumatic psychoses	2	—	2	—	—	2	—	—	—	—	—	—	—	—	—
With cerebral arteriosclerosis	17	14	31	11	4	15	1	7	8	5	3	8	—	—	—
With other disturbances of circulation	1	—	1	—	—	—	—	—	—	1	—	1	—	—	—
With convulsive disorders (epil.)	—	1	1	—	—	—	—	1	1	—	—	—	—	—	—
Senile psychoses	5	10	15	3	3	6	2	6	8	—	1	1	—	—	—
Involuntional psychoses	1	7	8	1	2	3	—	5	5	—	—	—	—	—	—
Due to other metabolic diseases, etc.	1	3	4	—	—	—	—	2	2	1	1	2	—	—	—
Due to new growth	1	—	1	—	—	—	1	—	1	—	—	—	—	—	—
With organic changes of nervous system	7	7	14	3	1	4	2	5	7	1	1	2	1	—	1
Psychoneuroses	—	4	4	—	—	—	—	3	3	—	1	1	—	—	—
Manic-depressive psychoses	8	17	25	3	1	4	4	14	18	1	2	3	—	—	—
Dementia praecox.	25	14	39	5	1	6	16	10	26	3	3	6	1	—	1
Paranoia and paranoid conditions	3	6	9	2	3	5	1	3	4	—	—	—	—	—	—
With psychopathic personality	2	1	3	—	—	—	2	—	2	—	1	1	—	—	—
With mental deficiency	3	10	13	1	5	6	2	5	7	—	—	—	—	—	—
Without psychoses	5	8	13	1	1	2	3	6	9	1	1	2	—	—	—
Total	95	106	201	36	22	58	42	70	112	14	14	28	3	—	3

TABLE 11. *Use of Alcohol by First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	TOTAL			Abstinent			Temperate			Intemperate			Unknown		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	5	2	7	1	1	2	2	—	2	2	1	3	—	—	—
With other forms of syphilis	1	—	1	—	—	—	1	—	1	—	—	—	—	—	—
With other infectious diseases	1	—	1	1	—	1	—	—	—	—	—	—	—	—	—
Alcoholic psychoses	7	2	9	—	—	—	—	—	—	7	2	9	—	—	—
Traumatic psychoses	2	—	2	—	—	—	—	—	—	1	—	1	1	—	1
With cerebral arteriosclerosis	17	14	31	4	9	13	10	4	14	2	1	3	1	—	1
With other disturbances of circulation	1	—	1	1	—	1	—	—	—	—	—	—	—	—	—
With convulsive disorders (epil.)	—	1	1	—	1	1	—	—	—	—	—	—	—	—	—
Senile psychoses	5	10	15	1	6	7	2	4	6	2	—	2	—	—	—
Involuntional psychoses	1	7	8	1	6	7	—	1	1	—	—	—	—	—	—
Due to other metabolic diseases, etc.	1	3	4	—	2	2	1	—	1	—	1	1	—	—	—
Due to new growth	1	—	1	1	—	1	—	—	—	—	—	—	—	—	—
With organic changes of nervous system	7	7	14	1	6	7	3	1	4	2	—	2	1	—	1
Psychoneuroses	—	4	4	—	3	3	—	1	1	—	—	—	—	—	—
Manic-depressive psychoses	8	17	25	5	11	16	—	6	6	3	—	3	—	—	—
Dementia praecox	25	14	39	10	9	19	8	5	13	5	—	5	2	—	2
Paranoia and paranoid conditions	3	6	9	1	3	4	—	3	3	1	—	1	1	—	1
With psychopathic personality	2	1	3	1	—	1	—	1	1	1	—	1	—	—	—
With mental deficiency	3	10	13	3	10	13	—	—	—	—	—	—	—	—	—
Without psychoses	5	8	13	3	2	5	1	2	3	1	4	5	—	—	—
Total	95	106	201	34	69	103	28	28	56	27	9	36	6	—	6

TABLE 12. *Marital Condition of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	TOTAL			Single			Married			Widowed			Divorced		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo- cephalitis . . . . .	5	2	7	—	—	—	3	2	5	1	—	1	1	—	1
With other forms of syphilis . . . . .	1	—	1	—	—	—	—	—	—	1	—	1	—	—	—
With other infectious diseases . . . . .	1	—	1	—	—	—	1	—	1	—	—	—	—	—	—
Alcoholic psychoses . . . . .	7	2	9	2	1	3	4	1	5	1	—	1	—	—	—
Traumatic psychoses . . . . .	2	—	2	1	—	1	1	—	1	—	—	—	—	—	—
With cerebral arteriosclerosis . . . . .	17	14	31	4	3	7	7	5	12	6	6	12	—	—	—
With other disturbances of cir- culation . . . . .	1	—	1	—	—	—	1	—	1	—	—	—	—	—	—
With convulsive disorders (epilepsy) . . . . .	—	1	1	—	1	1	—	—	—	—	—	—	—	—	—
Senile psychoses . . . . .	5	10	15	—	2	2	2	3	5	3	5	8	—	—	—
Involuntional psychoses . . . . .	1	7	8	—	1	1	1	5	6	—	1	1	—	—	—
Due to other metabolic dis- eases, etc. . . . .	1	3	4	—	1	1	1	1	2	—	1	1	—	—	—
Due to new growth . . . . .	1	—	1	—	—	—	1	—	1	—	—	—	—	—	—
With organic changes of nerv- ous system . . . . .	7	7	14	1	1	2	6	5	11	—	—	—	—	1	1
Psychoneuroses . . . . .	—	4	4	—	1	1	—	2	2	—	1	1	—	—	—
Manic-depressive psychoses . . . . .	8	17	25	3	3	6	5	13	18	—	1	1	—	—	—
Dementia praecox . . . . .	25	14	39	23	11	34	2	3	5	—	—	—	—	—	—
Paranoia and paranoid con- ditions . . . . .	3	6	9	2	1	3	—	3	3	1	2	3	—	—	—
With psychopathic personality . . . . .	2	1	3	2	1	3	—	—	—	—	—	—	—	—	—
With mental deficiency . . . . .	3	10	13	3	9	12	—	1	1	—	—	—	—	—	—
Without psychoses . . . . .	5	8	13	4	1	5	1	6	7	—	1	1	—	—	—
Total . . . . .	95	106	201	45	37	82	36	50	86	13	18	31	1	1	2

TABLE 13. *Mental Disorders of All Admissions, All Discharges, All Deaths, 1937, All Cases in Residence and All Cases Out on September 30, 1937, by Status of Admission and Sex*

MENTAL DISORDERS	ALL ADMISSIONS			ALL DISCHARGES			ALL DEATHS			RESIDENT POPULATION			PATIENTS OUT ON VISIT ETC.		
	First Admissions		Readmissions	First Admissions		Readmissions	First Admissions		Readmissions	First Admissions		Readmissions	First Admissions		Readmissions
	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	
<i>Psychoses Due to or Associated with Infection:—</i>															
Syphilis of the Central Nervous System:															
Meningo-encephalitic type (general paresis)	5	2	7	3	—	3	—	2	—	1	4	1	—	1	—
Meningo-vascular type (cerebral syphilis)	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
With intracranial gumma	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
With epidemic encephalitis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Post-infectious psychoses	1	—	1	—	—	—	—	—	—	—	—	—	—	1	—
<i>Psychoses Due to Intoxication:—</i>															
Due to Alcohol:															
Delirium tremens	5	—	5	4	—	4	—	4	—	6	—	—	—	—	—
Korsakow's psychoses	—	1	1	—	—	—	—	—	—	1	1	—	—	—	—
Acute hallucinosis	2	—	2	—	2	1	2	3	1	—	—	—	—	—	—
Other types	—	1	1	—	1	1	—	1	1	1	1	—	—	—	—
Due to Drugs or Other Exogenous Poisons:															
Due to other drugs	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—
<i>Psychoses Due to Trauma:—</i>															
Traumatic delirium	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
Post-traumatic mental deterioration	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other types	1	—	1	—	—	—	—	—	—	1	—	—	—	—	—
<i>Psychoses Due to Disturbances of Circulation:—</i>															
With cerebral arteriosclerosis	17	14	31	3	—	3	4	7	—	—	—	—	—	—	—
With cardio-renal disease	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
<i>Psychoses Due to Convulsive Disorders (Epilepsy):</i>															
Epileptic deterioration	—	1	1	1	—	1	—	—	—	—	—	—	—	—	—
Epileptic clouded states	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other epileptic types	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—



<i>Psychoses Due to Disturbances of Metabolism, Growth, Nutrition or Endocrine Function. —</i>														
<i>Senile Psychoses:</i>														
Simple deterioration	3	5	8	—	—	—	—	—	—	—	—	—	—	—
Presbyoparc type	—	2	2	—	—	—	—	—	—	—	—	—	—	—
Delirious and confused types	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Depressed and agitated types	1	1	2	—	—	—	—	—	—	—	—	—	—	—
Paranoid types	1	2	3	—	—	—	—	—	—	—	—	—	—	—
<i>Involutional Psychoses:</i>														
Melancholia	1	7	8	1	—	1	1	—	—	—	—	—	—	—
Paranoid types	—	—	—	—	—	—	—	—	—	—	—	—	—	—
With diseases of the endocrine glands	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Alzheimer's disease	—	2	2	—	—	—	—	—	—	—	—	—	—	—
With pellagra	—	—	—	—	—	—	—	—	—	—	—	—	—	—
With other somatic diseases	1	1	2	—	—	—	—	—	—	—	—	—	—	—
<i>Psychoses Due to New Growth: —</i>														
With other neoplasms	1	—	1	—	—	—	—	—	—	—	—	—	—	—
<i>Psychoses Due to Unknown or Hereditary Causes, but Associated with Organic Changes: —</i>														
With multiple sclerosis	—	—	—	—	—	—	—	—	—	—	—	—	—	—
With Huntington's chorea	—	1	1	—	—	—	—	—	—	—	—	—	—	—
With other brain or nervous diseases	7	6	13	1	1	2	—	3	3	—	1	1	1	2
<i>Disorders of Psychogenic Origin or Without Clearly Defined Tangible Cause or Structural Change. —</i>														
<i>Psychoneuroses:</i>														
Anxiety hysteria	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Conversion hysteria:	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hyperkinetic type.	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Psychasthenia or compulsive states:	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Obsession	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Phobia	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Neurasthenia	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hypochondriasis	—	1	1	—	—	—	—	—	—	—	—	—	—	—
Reactive depression	—	1	1	1	1	2	3	1	—	—	—	—	—	—
Anxiety state	—	2	2	—	—	—	—	—	—	—	—	—	—	—
Mixed psychoneuroses	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>Manic-depressive Psychoses:</i>														
Manic type	3	8	11	9	6	15	4	5	9	3	4	7	—	—
Depressive type.	4	9	13	—	4	4	6	5	11	1	2	3	—	—
Mixed type	—	1	1	1	—	—	—	—	—	—	—	—	—	—
<i>Dementia praecox (schizophrenia):</i>														
Simple type	—	1	1	—	1	1	2	—	2	—	—	—	—	—
Hebephrenic type	9	4	13	7	3	10	6	2	8	4	3	7	—	—
Catatonic type	—	7	3	10	5	1	6	4	2	6	1	—	—	—
Paranoid type	8	6	14	2	5	7	2	3	5	1	1	2	—	—



TABLE 14. *Discharges of Patients Classified with Reference to Principal Psychoses and Condition on Discharge*

PSYCHOSES	TOTAL			Recovered			Improved			Unimproved		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis . . . . .	2	1	3	—	—	—	2	—	2	—	1	1
Alcoholic psychoses . . . . .	13	4	17	11	1	12	2	3	5	—	—	—
Due to drugs, etc. . . . .	1	—	1	1	—	1	—	—	—	—	—	—
Traumatic psychoses . . . . .	1	—	1	—	—	—	1	—	1	—	—	—
With cerebral arteriosclerosis . . . . .	3	4	7	—	1	1	3	2	5	—	1	1
With convulsive disorders (epilepsy) . . . . .	1	1	2	—	—	—	1	1	2	—	—	—
Senile psychoses . . . . .	1	—	1	—	—	—	1	—	1	—	—	—
Involuntary psychoses . . . . .	—	3	3	—	—	—	—	3	3	—	—	—
With organic changes of nervous system . . . . .	—	4	4	—	—	—	—	2	2	—	2	2
Psychoneuroses . . . . .	2	8	10	2	3	5	—	4	4	—	1	1
Manic-depressive psychoses . . . . .	14	18	32	8	6	14	5	11	16	1	1	2
Dementia praecox . . . . .	16	10	26	1	—	1	12	7	19	3	3	6
Paranoia and paranoid conditions . . . . .	2	2	4	—	—	—	1	—	1	1	2	3
With psychopathic personality . . . . .	1	1	2	—	1	1	—	—	—	1	—	1
With mental deficiency . . . . .	1	1	2	—	1	1	1	—	1	—	—	—
Without psychoses . . . . .	9	8	17	—	—	—	—	—	—	—	—	—
Total . . . . .	67	65	132	23	13	36	29	33	62	6	11	17

TABLE 15. *Hospital Residence during This Admission of Court First Admissions Discharged during 1937*

PSYCHOSES	Number			Average Net Hospital Residence in Years		
	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis . . . . .	—	1	1	—	.62	.62
Alcoholic psychoses . . . . .	8	3	11	1.82	.72	1.52
Due to drugs, etc. . . . .	1	—	1	.37	—	.37
Traumatic psychoses . . . . .	1	—	1	.46	—	.46
With cerebral arteriosclerosis . . . . .	3	4	7	1.63	.08	.74
With convulsive disorders (epilepsy) . . . . .	—	1	1	—	.62	.62
Senile psychoses . . . . .	1	—	1	.20	—	.20
Involuntary psychoses . . . . .	—	1	1	—	1.50	1.50
With organic changes of nervous system . . . . .	—	3	3	—	.91	.91
Psychoneuroses . . . . .	1	6	7	.54	.62	.60
Manic-depressive psychoses . . . . .	10	10	20	.68	1.34	1.01
Dementia praecox . . . . .	14	8	22	1.07	2.46	1.57
Paranoia and paranoid conditions . . . . .	2	2	4	.24	.33	.28
With psychopathic personality . . . . .	—	1	1	—	.04	.04
With mental deficiency . . . . .	—	1	1	—	.04	.04
Without psychoses . . . . .	6	6	12	.08	.09	.08
Total . . . . .	47	47	94	.93	.98	.96

TABLE 16. Causes of Death of Patients Classified with Reference to Principal Mental Disorders

CAUSES OF DEATH	TOTAL		With syphilitic meningoenzephalitis		Alcoholic psychoses		With cerebral arteriosclerosis		With convulsive disorders (epilepsy)		Senile psychoses		Involutional psychoses	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
<i>Infectious and Parasitic Diseases:</i>														
Tuberculosis of the respiratory system . . . . .	5	4	—	—	—	—	—	—	—	—	—	—	—	—
Cancer and Other Tumors:														
Cancer and other malignant tumors . . . . .	2	1	—	—	1	—	—	—	—	—	—	—	—	—
<i>Rheumatic Diseases, Nutritional Diseases, Diseases of the Endocrine Glands and Other General Diseases:</i>														
Diabetes . . . . .	1	—	—	—	—	—	—	—	—	—	—	—	1	—
Other diseases . . . . .	1	—	—	—	—	—	—	—	—	—	—	—	—	1
<i>Diseases of the Nervous System and Organs of Special Sense:</i>														
Other diseases of the spinal cord . . . . .	1	—	—	—	—	—	—	—	—	—	—	—	—	—
Cerebral hemorrhage . . . . .	2	3	—	—	—	—	1	—	—	—	—	—	—	1
Cerebral embolism and thrombosis . . . . .	2	1	—	—	—	—	—	—	—	—	—	—	—	—
General paralysis of the insane . . . . .	3	1	3	1	—	—	—	—	—	—	—	—	—	—
<i>Diseases of the Circulatory System:</i>														
Acute endocarditis . . . . .	1	—	—	—	—	—	—	—	—	—	—	—	—	—
Chronic endocarditis (valvular disease) . . . . .	10	12	—	—	—	—	—	1	—	—	—	—	—	—
Diseases of the myocardium . . . . .	2	1	—	—	—	—	5	7	—	—	4	1	—	1
Diseases of the coronary arteries and angina pectoris . . . . .	2	1	—	—	—	—	—	—	—	—	—	—	—	1
Other diseases of the heart . . . . .	2	2	—	—	—	—	1	—	—	—	—	—	—	—
Arteriosclerosis . . . . .	3	3	—	—	—	—	2	3	—	—	—	—	—	—
<i>Diseases of the Respiratory System:</i>														
Bronchopneumonia (including capillary bronchitis) . . . . .	8	6	—	—	1	—	4	1	—	1	1	2	—	—
Lobar pneumonia . . . . .	5	3	—	—	—	—	1	—	—	—	2	—	—	—
<i>Diseases of the Digestive System:</i>														
Cirrhosis of the liver . . . . .	—	1	—	—	—	—	—	—	—	—	—	—	—	—
<i>Diseases of the Genito-Urinary System:</i>														
Nephritis (acute, chronic and unspecified) . . . . .	—	1	—	—	—	—	—	1	—	—	—	—	—	—
<i>Diseases of Early Infancy:</i>														
Sentility . . . . .	3	1	1	—	—	—	—	—	—	—	3	1	—	—
Total . . . . .	50	40	4	1	5	2	—	2	14	13	10	4	1	3



TABLE 16. Causes of Death of Patients Classified with Reference to Principal Mental Disorders — Concluded

CAUSES OF DEATH	Due to other metabolic diseases, etc		Due to new growth		With organic changes of nervous system		Manic-depressive psychoses		Dementia praecox		Paranoia and paranoid conditions		With psychopathic personality		With mental deficiency			
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
<i>Infectious and Parasitic Diseases:</i>																		
Tuberculosis of the respiratory system	-	-	-	-	-	-	-	1	1	5	3	8	-	-	-	-	-	-
<i>Cancer and Other Tumors:</i>																		
Cancer and other malignant tumors	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
<i>Rheumatic Diseases, Nutritional Diseases, Diseases of the Endocrine Glands and Other General Diseases:</i>																		
Diabetes	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Diseases of the Nervous System and Organs of Special Sense:</i>																		
Other diseases of the spinal cord	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Cerebral hemorrhage	-	-	-	-	-	1	1	2	-	-	1	1	-	-	-	-	-	-
Cerebral embolism and thrombosis	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-
General paralysis of the insane	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Diseases of the Circulatory System:</i>																		
Acute endocarditis	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
Chronic endocarditis (valvular disease)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diseases of the myocardium	-	-	-	-	-	-	-	-	-	1	2	3	-	-	1	-	-	-
Diseases of the coronary arteries and angina pectoris	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-
Other diseases of the heart	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
Arteriosclerosis	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
<i>Diseases of the Respiratory System:</i>																		
Bronchopneumonia (including capillary bronchitis)	-	-	-	-	-	-	-	1	1	2	1	3	-	-	1	1	-	-
Lobar pneumonia	2	-	2	-	-	-	-	-	-	-	-	2	2	-	-	-	-	-
<i>Diseases of the Digestive System:</i>																		
Cirrhosis of the liver	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Diseases of the Genito-Urinary System:</i>																		
Nephritis (acute, chronic and unspecified)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Diseases of Early Infancy:</i>																		
Senility	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	2	1	3	1	-	1	-	2	2	12	10	22	-	1	1	-	1	1

TABLE 17. Age of Patients at Time of Death Classified with Reference to Principal Psychoses

PSYCHOSES	TOTAL		25-29 years		30-34 years		35-39 years		40-44 years		45-49 years		50-54 years	
	M.	F. T.	M.	F. T.	M.	F. T.	M.	F. T.	M.	F. T.	M.	F. T.	M.	F. T.
With syphilitic meningo-encephalitis														
Alcoholic psychoses	4	1	5										1	1
With cerebral arteriosclerosis	2	13	27											
With convulsive disorders (epilepsy)	14	1	1											
Senile psychoses	10	4	14										2	2
Involutional psychoses	1	3	4											
Due to other metabolic diseases, etc.	2	1	3											
Due to new growth	1	1	1											
With organic changes of nervous system	3	2	5										1	1
Manic-depressive psychoses	2	2	2						1	1			1	1
Dementia praecox	12	10	22						2	2	1	3	3	2
Paranoia and paranoid conditions	1	1	2						1	1			3	5
With psychopathic personality	1	1	1											
With mental deficiency	1	1	1											
Total	50	40	90				1	1	1	3	4	2	2	4

PSYCHOSES	55-59 years		60-64 years		65-69 years		70-74 years		75-79 years		80-84 years		85 years and over	
	M.	F. T.	M.	F. T.	M.	F. T.	M.	F. T.	M.	F. T.	M.	F. T.	M.	F. T.
With syphilitic meningo-encephalitis														
Alcoholic psychoses	1	1	1		1	1	1	1	1	1				
With cerebral arteriosclerosis	1	1	2		1	2	3	6	6	3	9	1	1	2
With convulsive disorders (epilepsy)	1	1	1		1	1	1	1	6	2	8	1	1	1
Senile psychoses	1	1	1		2	2	1	1	6	2	8	1	1	1
Involutional psychoses	1	1	1		1	1	1	1						
Due to other metabolic diseases, etc.	1	1	2		1	1	1	1						
Due to new growth	1	1	2		1	1	1	1						
With organic changes of nervous system	1	1	1		1	1	1	1						
Manic-depressive psychoses	2	1	3		1	2	1	2					1	1
Dementia praecox	1	1	1		1	1	1	1						
Paranoia and paranoid conditions	1	1	1		1	1	1	1						
With psychopathic personality	1	1	1		1	1	1	1						
With mental deficiency	1	1	1		1	1	1	1						
Total	7	2	9	5	5	10	7	5	12	13	5	18	3	2

TABLE 18. *Total Duration of Hospital Life of Patients Dying in Hospital Classified According to Principal Psychoses*

PSYCHOSES	TOTAL		Less than 1 month		1-3 months		4-7 months		8-12 months		1-2 years		3-4 years	
	M.	F.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	4	1	1	1	2	1	1	2	2	1	3	1	1	2
Alcoholic psychoses	2	2	4	3	7	5	1	6	1	2	3	2	1	3
With cerebral arteriosclerosis	14	13	1	1	2	1	1	2	1	2	3	1	1	2
With convulsive disorders (epilepsy)	10	4	1	1	2	1	1	2	2	1	3	1	1	2
Senile psychoses	1	3	1	1	2	1	1	2	1	1	2	1	1	2
Involutional psychoses	2	1	1	1	2	1	1	2	1	1	2	1	1	2
Due to other metabolic diseases, etc.	1	1	1	1	2	1	1	2	1	1	2	1	1	2
Due to new growth	1	1	1	1	2	1	1	2	1	1	2	1	1	2
With organic changes of nervous system	3	2	2	2	4	1	1	2	1	1	2	1	1	2
Manic-depressive psychoses	12	10	2	2	4	1	1	2	1	1	2	1	1	2
Dementia praecox	1	1	1	1	2	1	1	2	1	1	2	1	1	2
Paranoia and paranoid conditions	1	1	1	1	2	1	1	2	1	1	2	1	1	2
With psychopathic personality	1	1	1	1	2	1	1	2	1	1	2	1	1	2
With mental deficiency	1	1	1	1	2	1	1	2	1	1	2	1	1	2
Total	50	40	8	4	12	8	2	10	6	4	10	7	4	11

PSYCHOSES	5-6 years		7-8 years		9-10 years		11-12 years		13-14 years		15-19 years		20 years and over	
	M.	F.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	1	1	1	1	2	1	1	2	1	1	2	1	1	2
Alcoholic psychoses	2	2	1	1	2	1	1	2	1	1	2	1	1	2
With cerebral arteriosclerosis	1	1	1	1	2	1	1	2	1	1	2	1	1	2
With convulsive disorders (epilepsy)	1	1	1	1	2	1	1	2	1	1	2	1	1	2
Senile psychoses	1	1	1	1	2	1	1	2	1	1	2	1	1	2
Involutional psychoses	1	1	1	1	2	1	1	2	1	1	2	1	1	2
Due to other metabolic diseases, etc.	1	1	1	1	2	1	1	2	1	1	2	1	1	2
Due to new growth	1	1	1	1	2	1	1	2	1	1	2	1	1	2
With organic changes of nervous system	1	1	1	1	2	1	1	2	1	1	2	1	1	2
Manic-depressive psychoses	1	1	1	1	2	1	1	2	1	1	2	1	1	2
Dementia praecox	1	1	1	1	2	1	1	2	1	1	2	1	1	2
Paranoia and paranoid conditions	1	1	1	1	2	1	1	2	1	1	2	1	1	2
With psychopathic personality	1	1	1	1	2	1	1	2	1	1	2	1	1	2
With mental deficiency	1	1	1	1	2	1	1	2	1	1	2	1	1	2
Total	1	4	5	3	8	3	2	5	2	1	3	2	2	4

TABLE 19. *Average Length of Hospital Residence during the Present Admission of All First Admissions in Residence on September 30, 1937*

PSYCHOSES	Number			Average Net Hospital Residence in Years		
	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis . . . . .	26	9	35	5.99	4.04	5.49
With other forms of syphilis . . . . .	8	1	9	6.49	3.50	6.16
With epidemic encephalitis . . . . .	1	2	3	2.50	3.00	2.83
Alcoholic psychoses . . . . .	39	6	45	8.24	6.32	7.98
Traumatic psychoses . . . . .	3	—	3	2.79	—	2.79
With cerebral arteriosclerosis . . . . .	25	21	46	2.56	3.34	2.91
With convulsive disorders (epilepsy) . . . . .	4	11	15	6.50	5.76	5.96
Senile psychoses . . . . .	10	27	37	3.18	3.66	3.53
Involucional psychoses . . . . .	7	19	26	4.92	2.84	3.40
Due to other metabolic diseases, etc. . . . .	2	3	5	4.00	2.72	3.23
With organic changes of nervous system . . . . .	22	14	36	4.49	4.47	4.48
Psychoneuroses . . . . .	5	8	13	2.10	4.61	3.64
Manic-depressive psychoses . . . . .	32	36	68	4.95	4.11	4.51
Dementia praecox . . . . .	174	201	375	7.72	8.88	8.34
Paranoia and paranoid conditions . . . . .	11	25	36	5.58	3.84	4.37
With psychopathic personality . . . . .	3	9	12	2.79	6.61	5.65
With mental deficiency . . . . .	18	53	71	5.98	6.43	6.32
Without psychoses . . . . .	—	2	2	—	.44	.44
Total . . . . .	390	447	837	6.39	6.51	6.45

TABLE 19A. *Average Length of Hospital Residence during the Present Admission of All Readmissions in Residence on September 30, 1937*

PSYCHOSES	Number			Average Net Hospital Residence in Years		
	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis . . . . .	19	4	23	5.58	8.23	6.04
With other forms of syphilis . . . . .	1	—	1	12.50	—	12.50
Alcoholic psychoses . . . . .	14	3	17	12.70	14.16	12.96
With cerebral arteriosclerosis . . . . .	2	3	5	1.97	1.14	1.47
With convulsive disorders (epilepsy) . . . . .	6	1	7	5.82	7.50	6.06
Senile psychoses . . . . .	—	5	5	—	8.48	8.48
Involucional psychoses . . . . .	2	10	12	1.47	7.20	6.24
Due to other metabolic diseases, etc. . . . .	—	1	1	—	17.50	17.50
With organic changes of nervous system . . . . .	4	7	11	5.22	6.34	5.93
Psychoneuroses . . . . .	3	3	6	1.48	.44	.96
Manic-depressive psychoses . . . . .	29	47	76	7.24	6.25	6.63
Dementia praecox . . . . .	119	181	300	12.18	11.58	11.81
Paranoia and paranoid conditions . . . . .	6	8	14	2.63	4.47	3.68
With psychopathic personality . . . . .	2	3	5	6.47	6.81	6.67
With mental deficiency . . . . .	9	13	22	13.50	10.02	11.44
Total . . . . .	216	289	505	10.06	9.88	9.96

TABLE 20. *Family Care Statistics for Year Ended September 30, 1937*

	Males	Females	Total
Remaining in Family Care September 30, 1936 . . . . .	1	3	4
Admitted to Family Care during the year . . . . .	—	3	3
Whole Number of Cases within the year . . . . .	1	6	7
Discharged from Family Care within the year . . . . .	2	—	2
Discharged outright from Family Care . . . . .	1	—	1
Returned to Institution . . . . .	—	1	1
Remaining in Family Care September 30, 1937 . . . . .	—	5	5
Average Daily Number in Family Care during year:			
Private . . . . .	1	1	2
Self-supporting . . . . .	—	5	5



## The Commonwealth of Massachusetts

47th

## ANNUAL REPORT

OF THE

## TRUSTEES

OF THE

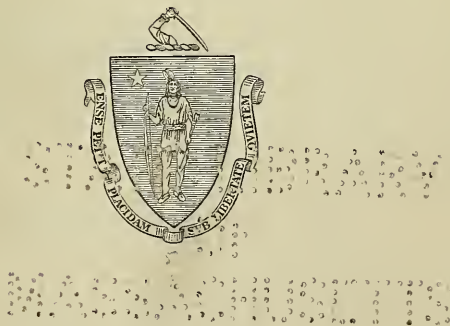
Mass.: FOXBOROUGH STATE HOSPITAL, (Insane)

FOR THE

YEAR ENDING NOVEMBER 30,

1938

DEPARTMENT OF MENTAL HEALTH



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DR. WALTER A. GRIFFIN, *Pulmonary Diseases*.  
DR. ARIAL W. GEORGE, *Roentgenology*.  
DR. RALPH D. LEONARD, *Roentgenology*.  
DR. FRANK A. DUNBAR, *Pathology*.  
DR. HAROLD J. MORGAN, *Oral Surgery*.

## HEADS OF DEPARTMENTS

MR. WILLIAM W. WHITE, *Chief Engineer*.  
MR. CHARLES F. THURSTON, *Head Farmer*.  
MR. GEORGE CLARK, *Maintenance Foreman*.  
MISS ILA P. JACKSON, R.N., *Superintendent of Nurses and Principal of Training School*.  
MISS ELIZABETH L. MOSELEY, *Head Psychiatric Social Worker*.  
MISS MILDRED J. SHANNON, *Principal Clerk and Stenographer*.  
MISS VERONICA I. CAVANAUGH, *Head Occupational Therapist*.  
MISS CATHERINE MULLANE, *Head Institutional Housekeeper*.  
MR. ALBERT D. KELLY, *Chief Male Supervisor*.

*To His Excellency, the Governor and the Honorable Council:*

The Trustees of the Foxborough State Hospital have the honor to submit herewith the forty-seventh annual report covering the fiscal year ending November 30, 1938.

Throughout the year meetings were held regularly at the hospital and were attended by a majority of the members. The wards and other parts of the institution were visited frequently and conferences were held with the Superintendent regarding maintenance and further development. We believe that the patients are being generally well cared for in accordance with methods of the present day although realizing at the same time that the degree of overcrowding makes difficult the satisfactory care of the patients and that an increase in facilities is necessary to keep up with the continuous rapid growth of the hospital.

Under an additional appropriation of \$2,500 the hydrotherapeutic suite in ward Building O is nearing completion and under another special appropriation of \$10,000 work was begun on a similar suite in ward Building E but could not be completed because the amount was insufficient. With the completion of these projects the hospital will be adequately provided with facilities to carry out a form of treatment which contributes very largely to the satisfactory care and recovery of the patients. The work of renovating the plumbing in ward Building E was completed under the Special appropriation of \$8,000 granted in 1937.

The sum of \$3,000 for extension of the sprinkler system is being used for installation of an automatic system in attic and basement of ward Building C.

Arrangements are being completed for the purchase of land along Payson Road in accordance with the appropriation of \$15,000.00 made for that purpose.

The sum of \$14,000 was appropriated to provide for proper sewage disposal facilities for the dormitory and barns at the Colony Farm. Work is now progressing satisfactorily on this project.

For the more economical and better heating of outlying buildings along Baker Street the sum of \$9,500 was appropriated. A small additional sum will be necessary to complete the extension and make the necessary connections.

Along with other of the State institutions the Foxborough State Hospital suffered considerable damage in the hurricane of September twenty-first. Several of the smaller farm buildings were damaged or destroyed and ventilators of ward buildings, employees' buildings and cottages. Under a special emergency appropriation for the purpose the sum of \$19,000 was expended mostly for repairs to buildings, but the replacement of the henry and implement shed has been deferred for later action. In addition there was extensive damage to fruit trees, ornamental trees and woodland.

To meet the present need of the institution and provide for further growth, certain additional projects must be recommended. The outstanding need is to provide a building suited for the care of disturbed patients. We believe that this can be met best and most economically by making certain additions and alterations to ward Building O. This would include the making over of the east wing of this building to render it essentially fireproof. In conjunction with this we would recommend the remodelling of ward Building C including the second floor which is now occupied as living quarters for twenty-six employees; also the addition of a small dormitory. The whole building would then be used for patients and a lieu of maintenance would be given to the employees. These changes will provide beds for 92 additional patients at an estimated cost of \$175,000. It will furnish also special facilities for the care of the disturbed and permit the removal of employees from living quarters unsuited for their use.

The number of patients and employees has increased to the point where the present kitchen and dining room facilities are inadequate to the needs of the institution. With certain additions and alterations, the service building can be developed to fully meet the requirements. The installation of a cafeteria system would seem to provide most satisfactorily for efficiency and economy in the preparing and serving of food. This project should include also a remodelling or relocating of the bakery which is small and poorly located, and the purchase of such dining room and kitchen equipment as is now in need of replacement. Estimated cost, \$150,000.

We believe that consideration should be given to the purchase of two parcels of land along the southern boundary of the property with a view to squaring up the land owned by the hospital and the possible relocation of Chestnut Street to the south, thus eliminating the passage of a public highway through the grounds with its attendant dangers. Estimated cost, \$10,650.



Other needs which are outstanding but requiring smaller amounts are \$7,500 to complete hydrotherapeutic suite and other plumbing; \$12,000 to remodel the Old Assembly Building for vegetable storage and canning room; \$13,000 for a hospital garage and equipment; \$16,000 for a new hennery at the Colony Farm.

The hospital has continued to maintain a close relationship to the community, especially through its out-patient mental clinics and travelling school clinics.

Statements in detail covering the administration of the hospital will be found in the subjoined reports of the Superintendent and Treasurer.

Respectfully submitted,

E. H. LEWIS HARNETT, M.D.

WILLIAM J. BULMAN

BENNET B. BRISTOL

HELEN J. FAY

NOEL C. KING

WILLIAM H. BANNON

JEANNETTE C. CHISHOLM

*Trustees.*

## SUPERINTENDENT'S REPORT

*To the Trustees of the Foxborough State Hospital:*

The forty-seventh annual report of the Superintendent of the Foxborough State Hospital for the year ending November 30, 1938, is herewith respectfully submitted. The statistical tables contained herein are for the year ending September 30, 1938.

### EMPLOYEES

On November 30, 1938, the employees were: men, 154; women, 174. There were 8 new positions added to meet the increasing demands of the various services. A residency in psychiatry was added to the medical service and an assistant steward to administration.

### STAFF CONFERENCES

Conferences were held daily except Sundays and holidays. All new admissions were presented for discussion of diagnosis, treatment and disposition. All patients before leaving the hospital on visit were also presented at the regular morning conference or at a special conference. Throughout the great part of the year bi-monthly meetings were held by the medical staff for presentation of papers and discussion of subjects of special interest.

### MEDICAL AND SURGICAL CARE

The consulting and visiting staff was increased by the addition of several new members in each specialty in order to increase the facility with which such service can be obtained. A marked interest has been shown by all members and they have been most helpful in providing expert medical and surgical care. Besides many minor operations and dressings performed by members of the resident staff operations were performed as follows: Laparotomy and appendectomy, cholecystotomy and cholelithiasis, repair of right indirect inguinal hernia, bilateral herniotomy, radical mastectomy, gastrotomy (with removal of foreign bodies), colostomy, supra-cervical hysterectomy, amputation of small left toe, curetting of head of left humerus (to stimulate callus formation), frontal sinus opened, curetted and drained, hydrocele aspirated, left simple mastoidectomy, hemorrhoidectomy, dilation and curettage, incision and drainage, reduction of dislocated left small toe under gas and oxygen, spica plaster of Paris cast (encasing left leg), plaster of Paris casts.

Additional procedures were as follows: Basal metabolism rates, 30; lumbar punctures, 144; blood chemistry, 458; inoculations, 308; antiluetic treatments, intravenous 642, intramuscular, 267; first aid and surgical dressings in operating room, 451; gynaecological clinics, 9; physical examinations of applicants for positions, 96.

During the year the metrazol treatment for dementia praecox was given to several series of cases. A marked improvement occurred in many of the patients with an apparent disappearance of active mental symptoms in some. It is hoped that the change for the better in these cases will be of sufficient duration to consider that the drug has a definite place in the treatment of those cases which form such a large proportion of the patients admitted to mental hospitals.

### MEDICAL STENOGRAPHIC DEPARTMENT

The clerical work of the medical department is under the direction of Miss Mildred J. Shannon, Principal Clerk. Particular attention has been given to the completion of a new filing system concerning case histories and all important information to make such as uniform and as readily available as possible.



## DENTAL DEPARTMENT

Resident Dentist: Dr. Edward Small. Dental Hygienist: Miss Pearl Vincent  
Patients were treated as follows: Number of patients treated, 2,666; operations performed, 1,973; fillings, 344; cleanings, 468; extractions, 905; full dentures made, 46; denture repairs, 30.

## PHYSIOTHERAPY, X-RAY

As technician, Miss Mary Villone supervised all work in this department. Treatments were given as follows: Total, 1,274; massage, 366; mechanotherapy, 66; infra-red, 474; ultra-violet, 293; diathermy, 42; desiccation, 28; galvanism, 5. Patients treated, 104.

X-ray: Individuals worked on, 667. Special attention was given to use of X-ray in examination of chest as an aid to diagnosis. Number of patients: male, 256; female, 290. Employees, 108. Number of outside patients, 3.

## PODIATRY

Podiatrist: Dr. Henry G. Campbell. All conditions of the feet were carefully diagnosed and treated and care was taken to insure the best possible fitting of shoes which is in many cases very difficult because of lack of cooperation. The work of the clinic is summarized as follows: Patients examined: male, 500, female, 590; patients treated: male, 400; female, 502; treatments given: male, 600, female, 580; Hours of treatment given: male, 416, female, 416. Types of cases treated were as follows: Diseases of the skin, lesions of the skin, disease of the nail, diseases of the sebaceous glands, mechanical conditions.

## HYDROTHERAPY

The work of this department was under the direction of Mr. George Hennessey and Miss Anna Hable each with the aid of one assistant. The work of this department was somewhat handicapped by a temporary loss in the use of equipment while changes were being made incidental to the relocation of the hydrotherapeutic suites. At the close of this year the new suite in Building O was nearly ready for use. Owing to the fact that the special appropriation for the installation of the suite in Building E was insufficient, the completion of this important project will be delayed another year. When both projects have been completed the facilities available for treatment will be adequate to meet fully the need of this institution.

Lectures and demonstrations were given to nurses in the training school and to attendant nurses. Dr. Rebekah Wright, the hydrotherapeutist for the Department was in residence at this hospital during the early part of this year and conducted courses and demonstrations for the medical staff and nursing personnel.

	<i>Men</i>	<i>Women</i>
Number of patients given wet-sheet packs . . . . .	88	111
Number of packs administered . . . . .	3,415	8,731
Number of hours of treatment given in wet-sheet packs . . . . .	11,903:30	20,369:45
Number of patients given continuous baths . . . . .	52	105
Number of bath treatments given . . . . .	1,106	3,219
Number of hours of continuous bath treatments . . . . .	7,686:55	16,395:45
Number of tonic bath patients . . . . .	26	55
Number of treatments . . . . .	5,799	5,617

Observations were carefully made and recorded indicating the progress made in each case with special reference to type of psychosis.

## OCCUPATIONAL THERAPY

In June, 1938, Miss Veronica Cavanaugh was promoted to Head Occupational Therapist to take the place of Mrs. Mildred Hamilton who resigned to take charge of the occupational department of the Metropolitan State Hospital. She has had two assistants. The increase in patient population makes necessary the addition of at least another worker, to serve especially as a director of recreational activities and to systematize physical exercise. As in former years, the work on the wards among newly admitted patients was greatly stressed and with evident good results, especially in those cases where depression is a prominent symptom. Owing to the small number of workers it was not possible to carry out an exclusive program among the disturbed groups. Wherever possible attention was given to pre-industrial training for those whose illness is such as to require prolonged hospital care.

Dances and motion pictures were held weekly except during the summer months and seem to be the most dependable form of regular diversion. During the summer the

department supervised activities in the open air, such as Field Day on July 4th and parties in the grove and devoted considerable time to the supervision of groups of women patients in such light occupations as berry-picking and preparation of small fruits and vegetables for canning.

The recreation room formerly used by employees is being re-decorated and will be used for a regular program of afternoon and evening recreation for patients where under careful supervision they will be able to relax under conditions essentially the same as in the community. It is planned to begin work on a new recreation field during the coming year. The hospital library continues to be well patronized by both patients and employees with a total circulation of 7,088 volumes.

Incidental to the work done as treatment many useful articles were made for use in the hospital.

#### PATHOLOGICAL AND RESEARCH

*Director:* Dr. David Rothschild. The laboratory has been in charge of Mr. Charles Hamburg assisted by a laboratory technician and two students in laboratory technique.

*Pathological Department:* During the course of the year, 37 autopsies were performed, this constituting 44.5 per cent of the deaths occurring in the hospital. These figures represent the best record that has been attained for many years. The psychiatric diagnosis in these cases were as follows: Senile psychoses, 5; psychoses with cerebral arteriosclerosis, 4; dementia praecox, paranoid type, 4; dementia praecox, hebephrenic type, 4; dementia praecox, catatonic, 1; manic-depressive psychosis, manic type, 3; manic-depressive psychosis, depressive type, 1; manic-depressive psychosis, mixed type, 1; involuntional melancholia, 2; paranoid condition, 1; psychoses with other brain or nervous diseases, 3; Alzheimer's disease, 2; general paresis, 2; psychosis with mental deficiency, 1; psychosis with vascular and circulatory disease, 1; psychosis with cardiorenal disease, 1; alcoholic psychosis, paranoid type, 1; alcoholic psychosis, acute hallucinosis, 1; alcoholic psychosis, Korsakow's type, 1; alcoholic psychosis, other types, 1.

The primary causes of death in these cases were as follows: Lobar pneumonia, 4; Alzheimer's disease, 3; cerebral hemorrhage, 3; generalized arteriosclerosis, 1; cerebral hemorrhage and aortic thrombi, 1; coronary sclerosis, 1; cerebral arteriosclerosis, 1; senile psychosis, 1; pulmonary tuberculosis, 2; bronchiectasis and lung abscess, 1; purulent bronchitis and bronchial pneumonia, 1; lung abscesses, 1; myocardial degeneration, 2; peritonitis following volvulus, 1; chronic valvular heart disease, 2; cancer of rectum, 1; cancer of breast with metastasis, 1; tumor of lung, 1; rupture of left ventricle, 1; acute exudative pharyngitis, 1; fracture of skull and laceration of brain, 1; congenital megacolon, 1; cardiorenal disease, 1; general paresis, 2; alcoholism and ileocolitis, 1; Korsakow's psychosis, 1.

In the pathological work, a routine has been established whereby material from each brain is prepared, sectioned, and stained by several standard methods. In this way, the laboratory has accumulated an important collection of histological material which should prove useful from many view points. Some of the most interesting cases were presented at clinical pathological conferences which were held once or twice monthly during the fall, winter, and spring months.

#### CHEMICAL, BACTERIOLOGICAL AND SEROLOGICAL DEPARTMENT

In all new cases admitted to the hospital, complete blood counts, five urinalyses and determinations of the sugar and non protein nitrogen content of the blood were performed. Additional tests were carried out at the request of the medical staff. A total of 3,368 urinalyses and 643 blood counts were made during the year. The blood chemical studies included the following: Sugar 638 determinations, non protein nitrogen 544, quantitative blood bromide 52, chlorides 7, calcium 4, uric acid 3, total protein 1, cholesterol 1 determination.

One hundred and forty-one specimens of spinal fluid were examined. In all cases, cell counts and colloidal gold tests were performed. The total protein was determined in 137 cases, the sugar content of the spinal fluid in 139 cases, and the non protein nitrogen in 131 cases. The distribution ratio of bromide between blood and spinal fluid was estimated in 118 cases.

Twenty-five basal metabolism tests, 50 examinations of feces and 2 of gastric contents, and 13 Van Den Bergh tests were performed. The icterus index was determined in 19 cases, the blood sedimentation rate in 26 cases, and sugar tolerance curves in 5 cases. The Friedman modification of the Ascheim-Zondek test was carried out in 2 cases.

The bacteriological work included examinations of 101 specimens of sputum and 83 miscellaneous specimens, such as: throat cultures and smears, smears for gonorrhea, blood cultures, etc. Other procedures such as Guinea pig inoculations were used at the request of the physicians.

In addition to the foregoing work, the following procedures were performed on employees during the year: 82 blood counts, 46 urinalyses, 5 basal metabolism tests, 22 examinations of feces and 7 of sputum, 10 miscellaneous bacteriological examinations, 7 sedimentation rates, 12 blood sugar determinations, 10 non protein nitrogen, 1 cholesterol, 1 uric acid determination, 1 Van Den Bergh test, and 2 icteric indexes.

The syphilitic treatment clinics have been held twice weekly. During the course of the year, 33 patients were given 770 intravenous injections of tryparsamide, and 56 patients were given 1,153 intramuscular injections of bismuth.

The following papers were published during the year:

"Senile Chorea and its Relation to Huntington's Chorea, Report of a Case," by D. Rothschild, M.D., Journal of the Mount Sinai Hospital, Volume 5, Page 517, November-December, 1938. This paper was read at a meeting of the Boston Society of Psychiatry and Neurology held on February 17th, 1938. "The Psychoses With Mental Deficiency as Viewed in a Mental Hospital: Clinical Syndromes," by Grosvenor B. Pearson, M.D. This paper was read at the annual meeting of the American Association on Mental Deficiency.

#### BROCKTON NEUROPSYCHIATRIC CLINIC

The outpatient clinic is held in the Brockton Hospital each Wednesday afternoon under the direction of Dr. David Rothschild assisted by Dr. Mary Hammond by social workers and by a psychometrist.

Towards the latter part of the year, a new arrangement was made, whereby the State Department of Mental Hygiene opened a new mental hygiene clinic for younger patients up to and including those twelve years of age, the present clinic now being restricted to patients above that age.

The number of new patients seen during the year represents a new high record for the clinic. There were 212 new cases, consisting of 131 male and 81 female patients. Of this number, 68 were under the age of 16 years, and 18 were between the ages of 16 and 18. There were 36 reopened cases, and 21 cases were continued from the previous year, making a total of 269 patients seen at the clinic. These patients made 583 visits to the clinic during the period under review.

Ninety-four patients were referred to the clinic by physicians of the surrounding communities and 27 were referred by the Brockton Hospital. Social agencies accounted for 25 cases and school authorities for 18 cases. Twenty-two patients were sent to the clinic by police or court authorities, 17 members of this group being examined under Chapter 215 of the regulations governing juvenile delinquents. Fourteen patients were referred by the staff of the Foxborough State Hospital.

Thirty-two cases (exclusive of the juvenile delinquent group referred by the courts) were classified as various types of conduct disorder in children or adolescents whose intelligence was above the feeble-minded level. Seven of these patients were of borderline intelligence, 14 were of dull normal, and 1 was of superior intelligence. Generally unstable behavior was the commonest type of difficulty. Unruliness and backwardness were some of the other common complaints. Sexual difficulties were the chief problem in two cases, and enuresis in one case.

There were 17 additional cases of conduct disorder referred for examination under Chapter 215 of the regulations governing juvenile delinquents. Among these patients, 2 were feeble-minded, 3 were of border-line, 3 of dull normal, 6 of normal, and 1 of superior intelligence. In most members of this group, asocial conduct, such as stealing, was the chief problem, although general unruliness was the chief complaint in 3 cases and sexual difficulties in 1 case.

A definite diagnosis of mental deficiency was made in 11 cases (exclusive of the 2 cases mentioned in the foregoing paragraph). Seven additional patients were probably feeble-minded; 1 patient was classified as an idiot; and 10 were at the moron level. The chief problem was backwardness in 9 cases, conduct disorder in 4 cases, general mental difficulties in 4 cases, and sexual difficulties in 1 case.

There were 28 patients with psychoneurosis. As in the past, it was not, as a rule, possible to fit these cases into any of the classical diagnostic groups. A diagnosis of hysteria was made in 2 cases and of anxiety neurosis in a similar number.



Psychoses of various types were encountered in 34 cases, including 12 patients referred to the clinic by the hospital for follow-up work. Apart from the hospital group, affective psychoses were observed in 8 cases, and the remaining cases were unclassified.

In 78 cases, the chief problems were of a neurological nature. There were 21 cases of head trauma and 6 of trauma to peripheral nerves. Non-traumatic nerve or plexus lesions were observed in 7 cases. Epilepsy was definitely diagnosed in 3 cases, and strongly suspected in 5 additional cases. There were 7 cases of cerebral arteriosclerosis, 2 of Bell's palsy, and 2 of paralysis agitans. Among a variety of miscellaneous conditions, one might mention 1 case of acute chorea and 1 of myasthenia gravis.

The psychological department of the Foxborough State Hospital has continued to be of great aid in the work of the clinic. A total of 71 patients were given psychological tests. During the year 69 Stanford tests, 32 performance tests, 1 Ken-oral test, and 1 Otis written test were performed.

The Social Service Department under the supervision of Miss Moseley has continued to help greatly in the work of the clinic; and various social agencies of Brockton and the surrounding communities have also been helpful.

During the course of the year, 121 patients were seen in consultation on the wards of the Brockton Hospital.

We would take this opportunity to express our appreciation of the valued assistance received from the Superintendent and staff of the Brockton Hospital, from the City officials and from representatives of various welfare and other organizations in the City of Brockton.

#### SCHOOL CLINIC

*Director:* Dr. Mary Hammond, psychiatrist, assisted by Miss Lillian Shapiro, psychometrist. In carrying on this important work there has been good co-operation on the part of school authorities and other personnel. In many instances histories were obtained by school nurses and in some cases teachers assisted by doing school tests in advance of the clinic.

In response to a number of requests, examinations have been made of behavior and personality problems. Recommendations have been made, cases have been discussed with parents and a satisfactory understanding achieved. Some such cases have been referred to mental hygiene clinics for further study and treatment.

During the year, the traveling clinic has examined children in the towns of Norwood, Hull, Walpole, Wellesley, Braintree, Mansfield, Sharon, Milton, Bellingham, Bridgewater, Wrentham, Weymouth, East Bridgewater, Foxborough, Needham, Norton, Plainville, Barrowsville, and Cohasset.

The total number of school clinic cases examined during the year was 346 (not including the 22 cases examined at the Brockton Neuropsychiatric Clinic): 237 boys and 109 girls.

There were 15 boys with I. Q.'s of 100 — 1.07, one with 1.12; and 5 girls with I. Q.'s of 1.02–1.05. The total number found to be feeble-minded: imbecile group, 2 boys and 8 girls; moron group, 56 boys and 45 girls. The remaining cases were either average, dull normal, or border-line groups. A high percentage of children examined were failing in school because of reading disabilities of varying degrees of severity. Remedial reading was recommended.

Psychometric tests were made as follows: House patients, 166 cases; Stanfords 85, Determination Studies 61, other Performance tests 57, Wells Memory 14, Kent-Oral 29. Brockton Clinic cases, 72, Stanfords 70, Performance tests 32, Kent-Oral tests 1, Otis written examinations 1. Prisoners, 28, Stanfords 25, Performance tests 3. Nurses Training School, 8 Otis examinations. Foxborough Out-Patient Department, 1 Stanford, 3 Performance tests. Traveling school clinic, 346.

#### SOCIAL SERVICE

*Director:* Miss Elizabeth Moseley. The addition of another assistant psychiatric social worker increased the personnel to three. There have been 2 students in social work, 1 from Boston University School of Social Work and 1 from Simmons College School of Social Work.

During the year since December 1, 1937, this Department has dealt with a total of 898 cases (485 Male and 413 Female). Of these 577 (348 M. and 229 F.) were referred to this Department for the first time. This total number divides itself into two main groups; namely, those patients under commitment to the hospital, which number for the



year was 624 (divided evenly between Male and Female, there having been 312 of each), and those persons dealt with in the community not under commitment, which number for the past year was 274 (173 M. and 101 F.). Of those patients under commitment to the hospital 339 were cases of new admissions, and as usual were automatically taken by this Department for a social history and investigation. Of this number 194 were men and 145 women. At this point it is interesting to note again the large number of acute cases that have been coming to the hospital in the last two years; for instance, of the 88 new admissions received in the last three months of our fiscal year just passed — September, October, and November — only 40, or less than half, were admitted on regular commitment papers; 1 was a voluntary admission, 20 were admitted under ten-day temporary care papers, and 27 for the 35 days' observation period. This means, naturally that the Social Service investigation must be made within a limited time in such cases and often much more intensively than is necessary under the ordinary regular commitments; particularly in the 35 days' observation cases, where the question of the patient's committability arises, it is often necessary to make many inquiries in the community where the patient has been living, in order to secure all information possible in regard to his past life and recent behavior leading up to his need for hospital care.

There have been during the year, 211 patients out on prolonged visit from the hospital and 11 placed under the Family Care system through this Department. Of the patients on visit 94 were men and 117 women; under Family Care, they were all women this year. Of these 11 women, 2 were being boarded privately, but the other 9 were entirely self-supporting in private families found for them by the Social Service. Of this number, 2 were discharged outright from the books during the year, and 2 had to be returned to the institution because of their poor condition and inability to adjust in the home, leaving 6 still out in the community. One of these has been out in the same family since 1935 under our supervision. All of these patients in these two groups have been under the general supervision of this Department during the year, having been visited in their homes and interviewed while reporting either at this hospital or at one of our two Out-Patient Clinics. Thirty-seven living in the greater Boston district have been reporting at our monthly evening clinic held at the Psychopathic Hospital, where there has been a total of 84 visits. One member of this Department always attends this clinic with the psychiatrist, and has held there a total of 96 interviews, 62 with patients and 34 with relatives or friends accompanying them. These interviews are in addition to those held by the physician and deal especially with the social situation in each case. In a number of these cases intensive social treatment has been necessary in helping the patient to adjust again to the community.

Of the community cases, not under commitment to the hospital, the largest group has been that of patients coming to our Brockton Neuropsychiatric Clinic, which 2 members of this Department attend each week. There were 231 such patients dealt with in the Clinic (142 M. and 89 F.) and a total of 346 interviews were held, 95 with patients and 251 with other interested individuals accompanying them. Many of the latter mentioned have been social workers, or visiting or school nurses, who were interested in the cases, and we have had many pleasant contacts with such workers in the community. In this Clinic group we have studied the cases of 23 juvenile delinquents referred to us from the local district courts, as has been done in the past few years in accordance with the recent law requiring this mental examination in certain stipulated cases.

This leaves a balance of 43 other community cases dealt with. Fourteen of this number were cases of certain retarded school children who were being seen in the School Clinic's work, and we were asked to secure histories from the families of the children. In connection with the mental examination of certain prisoners who were being seen under the Briggs' law, we secured 21 social histories during the year. In all of these 21 cases, a fairly intensive investigation was indicated. The balance of 8 miscellaneous cases were chiefly those of Out-Patients, seen at the hospital here, from our local community, in which cases we were asked to secure a history.

The total number of interviews required for this work during the year was as follows:

Interviews at hospital with interested individuals . . . . .	766
Interviews with patients on the ward . . . . .	66
Visits to patients out on visit from the hospital . . . . .	132
Visits to relatives of patients . . . . .	303
Visits to social agencies . . . . .	199
Visits to other interested individuals (employers, etc.) . . . . .	641

Interviews at Brockton Clinic . . . . .	346
Interviews at Boston (Psychopathic Hospital) Clinic . . . . .	96
Total . . . . .	2,549

During the year the Head Social Worker attended the National Conference on Social Work. Besides this all members of the department were privileged to attend the state and district meetings.

#### TRAINING SCHOOL FOR PSYCHIATRIC NURSING

*Principal:* Miss Ila P. Jackson, R.N., Assistant Principal, Miss Margaret Moynihan, R.N.

On October 13, 1938, diplomas were awarded to 5 women and 2 men. On October 1, a class of 9 women and 5 men was enrolled. The class of 1939 has an enrollment of 4 women and 3 men, 5 women and 4 men having withdrawn during the year.

In the attendants' course 10 women and 4 men completed the first year work. The present enrollment in the first year work numbers 15 women and 10 men. The second year group has an enrollment of 19 women and 14 men.

<i>Instruction:</i>	Hrs.	<i>Practice:</i>	Hrs.
Lectures and demonstrations . . . . .	374	In Occupational Therapy Dept.	112½
Examinations . . . . .	21	In Diet Kitchen . . . . .	20
Study periods . . . . .	39	In Drug Room . . . . .	170½
Autopsies . . . . .	3	In Pack Room . . . . .	2,332
Pack lessons . . . . .	45	In Continuous Bath Room . . . . .	1,094¾
Continuous bath technique . . . . .	31¾	In Tonic Bath Suite . . . . .	216¾

During the year meetings and conventions of the various nursing organizations were attended by the registered nurses of the nursing personnel.

#### RELIGIOUS SERVICES

Throughout the year the clergymen of the community faithfully carried out the schedule of religious services, made frequent visits to the wards and assisted with the special Easter and Christmas services.

#### ENTERTAINMENT

It has been found of great advantage to devote as much time as possible to provide an outlet for the patients in the form of entertainments of various kinds. Routinely motion pictures and dances are provided each week throughout the greater part of the year. The hospital orchestra has provided excellent music for all occasions. During the holiday season a play was produced by the patients under the direction of the director of Occupational Therapy, and a special choir composed of patients helped to furnish the Christmas music. As in past years several entertainments in the form of plays were presented by organizations in the community. During the summer months the usual field day was held on July 4th and several picnics were held.

#### INDUSTRIES

*Director:* Mr. Henry A. Turner. The new location on the remodelled second floor of the old laundry building has greatly increased the facilities for doing satisfactory work and the placing of all industries on the one floor made possible a much better supervision of patients.

*Manufactured:* 286 corn brooms, 7 long handled scrub brushes, 771 yds. toweling woven, 79 mattresses, 267 pillows, 305 window shades, 2 rubber covered pillows, 12 strong mattresses, 6 indestructable mattresses.

*Repaired:* 792 shoes, nail soled, 173 shoes stitch soled, 848 shoes heeled, 526 shoes patched, 255 leather articles repaired, 97 brushes, 396 handles reconditioned, 15 tables scraped, 166 chairs scraped, 509 pcs. furniture refinished, 47 chairs re-caned, 88 clocks, 228 chairs rodded, 2 dishwasher trays, 397 mattresses, 24 tables, 29 drawers, 1109 chairs, 111 pr. scissors sharpened, 242 window shades, 925 pcs. clothing, 986 pcs. clothing pressed, 50 pr. spectacles, 2 wheel chairs resealed, 25 benches, 260 mop pails, 73 knives, forks, spoons, straightened.

*Canned:* 180 No. 10 cans Spinach, 24 barrels sauerkraut, 1,462 No. 10 cans string beans, 638 No. 10 cans tomatoes.

Miscellaneous: 121 articles.

#### WOMEN'S INDUSTRIAL

*In charge of sewing:* Mrs. Theresa Boyden. Here are manufactured from new materials a great variety of articles for use in the institution. During the year there were as follows: 105 doz. aprons, 45 doz. bed gowns, 96 strong blankets, 95 coffee bags, 6

couch sets, 35 doz., laundry bags, 19½ doz. combinations, 14 doz. duck coats, 13½ doz. drapery curtains, 60 pr. sash curtains, 17 shower curtains. Covers: 10 bakery, 2 tractor, 2 doz. bureau, 8¾ doz. screen, 36 doz. laundry board, 14 barbers. 62 doz. dresses, 29½ doz. strong dresses, 33¾ doz. mattress ticks, 50½ doz. night dresses, 27 doz. pillow ticks, 12 doz. pan holders, 187½ doz. pillow cases, 200½ doz. sheets, 27½ doz. pack sheets, 19 doz. draw sheets, 12 restraint sheets, 4½ doz. rubber and ticking sheets, 55 shroud sheets, 10 shrouds, 87 doz. shirts, 10 doz. shorts, 3½ doz. surgical gowns, 24 isolation gowns. Surgical Supplies: 2 doz. bandage rolls, 6 doz. arm slings, 9 binders, 6 glove cases, 7 doz. covers, 1 doz. lap sheets. Hydrotherapy supplies: 16 hammocks, 9 tub covers, 16 doz. slippers, 16 doz. aprons, 3 doz. spinal bag covers, 4 doz. straps. 2⅔ doz. smocks, 77 doz. spreads, 51 doz. slips, 14⅔ doz. table cloths, 870 doz. bath towels, 209 doz. hand towels, 221 doz. dish and barber towels, 136 window shades.

*In charge of mending:* Miss Mellow McMillan. Articles mended: 3,009 aprons, 832 blankets, 85 strong blankets, 226 bath robes, 1,332 bloomers, 182 combinations, 645 coats, 256 hydro covers, 185 board covers, 30 bakers covers, 2,810 pr. drawers, 43 tractor covers, 786 strong dresses, 4,099 dresses, 59 kimonos, 868 laundry bags, 167 mattress ticks, 6,348 night dresses, 323 pr. overalls, 140 pr. pajamas, 544 pillow cases, 5,719 sheets, 1,051 spreads, 299 smocks, 1,295 slips, 5,641 shirts, 2,777 under shirts, 261 sweaters, 443 table cloths, 1,814 pr. trousers, 587 union suits, 149 scarfs, 102 rugs, 7,994 socks and stockings, 89 screen covers, 666 towels, 241 curtains, 48 restraint sheets, 4 camisoles, 5 couch covers, 2 flags.

In addition special articles were manufactured as follows: 36 doz. table runners, 1 doz. linen table runners, 27 doz. face cloths, 16½ doz. hand towels, 25 doz. dish towels, 23 doz. bibs, 2½ doz. doilies, 4 doz. door silencers, 15 ash trays, 12 place mats, 2 crocheted place mats, 2 small tables, 2 hooked rugs, 1 crocheted rug, 1 bunch straw flowers, 17 pillows, 8 key cords, 1 woven runner, 98 pr. curtains, 1 pr. book ends, 22 tie-backs, 195 valances, 1 wall hanging, 6 tray cloths, 2 waste baskets, 45 braided rugs, 6 bed socks, 3 serpentine tiles, 5 serpentine dishes, 1 bulletin board, 3 bookcases, 3 cribbage boards.

*In charge of marking,* Miss Josephine McMillan. All articles of wearing apparel, both hospital and home-furnished and all manufactured supplies from women's industrial and occupational departments were received here, classified and marked before distribution. The total number recorded was 64,721.

#### LAUNDRY

The work in the laundry has progressed very satisfactorily. A great increase in efficiency has been observed as a result of the more suitable place in which to work. Approximately 1,402,285 pieces were laundered during the year.

#### POWER PLANT

The recently installed boilers, generator and refrigerating system have continued to function well and have contributed greatly to the satisfactory operation of the hospital. Many minor replacements of steam water and electric lines have been made always with the idea of increasing the efficiency while decreasing the cost wherever possible. The services of a mechanical handyman devoted almost entirely to welding have made possible the making of changes in a minimum of time and with the use of a great deal of salvage material that would otherwise have been lost. This department under repairs and renewals has made important changes in the heating coils in Buildings B, C, D, and E, and in the high and low pressure mains. The town of Foxborough is constructing a new water tank of ample capacity with new and larger water lines. This would appear to meet fully the needs of the hospital and make unnecessary the erection of a tank by the hospital as previously planned and requested. Fire extinguishers have been added where needed and a number of new standpipes have been installed and old ones relocated.

#### REPAIRS

*Maintenance Foreman:* Mr. George P. Clark. Many routine repairs were made as repairs ordinary on three projects were completed as Repairs and Renewals as follows: Remodelling of dairy, repairs to piggery, and part of work on reconstruction of stone crusher. Groups of patients were occupied under supervision at grading of grounds and cleaning up yards and grounds after the hurricane in September. Four projects were carried on with W.P.A. labor, viz., new bin, pit and engine house for stone crusher; new fly screens for wards E-1, E-2, D-1, A-1, K-1 and N-2; grading around Assembly Building; grading about Employee's Home.



## FARM

*Head Farmer:* Mr. Charles Thurston. Motorized equipment has continued to show an advantage over the use of horses as formerly. Additional land was cleared for cultivation. Weather conditions were extremely unfavorable during the summer causing serious losses to the crops because of prolonged rains. This affected especially the yield in squash, onions, melons, cucumbers and small fruits. The hurricane in September caused a considerable reduction in the usual apple crop. The total profits of the year, after all costs of labor and material had been deducted amount to \$10,738.26. Summarized production was as follows: Milk produced 557,168.3 lbs., calves sold 31, calves raised, 14, calves died 1, beef, 6,015½ lbs., eggs 9,232 8/12 doz., fowl, 2,971½ lbs., chicken 235½ lbs., broilers 607¼ lbs., pigs born 165, pork, 85,311½ lbs., fruit, 32,138¾ lbs., vegetables, 38,321¼ lbs. Field Crops: Millet 47,850 lbs., green corn 26,915 lbs., green alfalfa 182,960 lbs., green hay 49,605 lbs., oats and peas 59,350 lbs., meadow hay 2,250 lbs., hay, timothy No. 1, 1,440 lbs.

From this quantity the following was canned: 1,447 No. 10 cans string beans, 128 No. 10 cans spinach, 637 cans No. 10 tomatoes, 20 bbls. sauerkraut.

## SPECIAL APPROPRIATIONS AND RECOMMENDATIONS

The additional appropriation of \$2,500 for the completion of the hydrotherapeutic suite in Building O is being expended for that purpose and it is expected that the suite will be ready for use within a few weeks. The sum of \$10,000 was appropriated for the construction of a similar suite in ward Building E, but the amount was insufficient to complete the project. When these projects are completed the hospital will be in a position to increase to the full amount needed the hydrotherapeutic treatment which we feel contributes so much to the satisfactory care and recovery of the patients. As part of the program for renovating and relocating toilets in various ward buildings, \$8,000 was expended under an appropriation granted in the current year for such work in Building E and this project was completed. Under appropriations granted in previous years sprinkler systems were installed in ward Buildings B, D, and E, and the sum of \$3,000 appropriated in the current year was used for a similar installation in the attics and basements of ward Building C, completing this program for such installations in patients' buildings with the exception of that portion of Building O for which remodelling has been requested.

A study of the heating of the cottages along Baker Street showed that a substitution of a steam line for separate furnaces for each building would result in a marked economy in maintenance, fuel and labor. Accordingly the sum of \$9,500 was appropriated for the purpose and such a steam line is now being installed.

In order to provide for sewage disposal at the Colony Farm it became necessary to build four filter beds. The sum of \$14,000 was appropriated and the work on this project is now progressing satisfactorily. The sum of \$15,000 was granted for the purchase of land along Payson Road. It is expected that the arrangements will soon be completed for the hospital to take title to the several parcels of land bordering on this highway. The abandonment of this public way to the hospital will eliminate what has been a serious menace because of the large amount of vehicular traffic and will afford additional space so much needed for the recreational life of the patients.

The hurricane of September 21, 1938, caused considerable damage to hospital property. The larger portion of the hen house at the main hospital and a silo at the Colony Farm, and a wagon shed were completely destroyed. In addition to this, rather extensive loss was sustained to various buildings, including ward buildings and employees' homes. Affected particularly were roofs, chimneys, and ventilators. From a special emergency appropriation granted for the purpose the sum of \$19,000 was expended mostly for repairs to buildings. The old piggery which had been recently abandoned became available for temporary use as a hennery. It was decided not to make replacement of the hennery and implement shed until a later date. There was extensive damage to woodland, ornamental trees and fruit trees.

We still believe that it is desirable to increase the capacity of the institution to at least 1,600 beds as such would lead to a more economical and satisfactory administration. Particularly needed at this time is a remodelling of the east wing of ward Building O to render it essentially fireproof and add to it an extension specially designed to care for patients of the disturbed type. There is a marked inadequacy for such facilities now existing.



The second floor of ward Building C is now occupied by 26 women employees and the first floor by patients. The interior of the building is of wooden construction and much of the plumbing is obsolete. The employees are subjected to the noise of disturbed patients on either side. We consider it necessary that this building should be reconstructed and taken over for the use of patients and would recommend that this project be combined with the remodelling of Building O which would provide beds for 92 additional patients at an estimated cost of \$175,000. It would be necessary for the employees to be given lieu of maintenance and to live in the community.

Each year with the increased number of patients and employees without any additional facilities in the kitchen and dining room to correspond has rendered it now almost impossible to satisfactorily prepare and serve food with efficiency and economy.

The bakery is poorly located, small and inadequate. Additional equipment for the kitchen is greatly needed. We recommenda remodelling of the kitchen and the building of a dining room to care for the employees with an installation of the cafeteria system, which has proven so satisfactory in many of our institutions. Estimated cost, \$150,000.

In order to square up the land owned by the hospital along its southern boundary and to provide for a relocation of Chestnut Street to eliminate the passage of a public highway through the grounds which is dangerous because of its high speed traffic, we would recommend the purchase of two additional parcels of land. Estimated cost, \$10,650.

Other immediate needs are installation of the sprinkler system \$10,000; garage and equipment \$13,000; hennery at the Colony Farm \$16,000.

It is considered necessary to construct at an early date a Medical and Surgical Building specially designed for the care of the hospital and infirmed patients and sick employees.

Other new construction is desirable, as soon as the money can become available, for a building for tool and tractor storage, installation of iron partitions at the Colony Farm; Employees Home (contingent upon policy); remodelling of the old Assembly Building for vegetable storage; addition to Cottage C; certain changes in hydrotherapeutic location; alterations to barn at the Colony Farm; installation of a grounds lighting system; and fire alarm system.

#### ACKNOWLEDGMENTS

We have greatly appreciated the assistance given the personnel of our Out-Patient clinics and Travelling School clinic by officers and of welfare organizations, of the schools and of the Brockton Hospital in carrying on the extra-mural activities of the hospital.

Throughout the year the American Legion and the American Legion Auxiliary, the Veterans of Foreign Wars and the Veterans of Foreign Wars Auxiliary have made regular visits to the Ex-Service men, furnishing them with confectionery and providing entertainment. We feel the interest thus shown has contributed very greatly to the comfort of this group of patients.

We are pleased to acknowledge the receipt of magazines and books from those who have contributed so generously to our supply of reading matter for the patients.

I feel that the successful operation of the hospital has depended largely upon the work of the hospital personnel which has been so faithfully performed, and I would take this opportunity of expressing my appreciation of their loyal support and service; also to the members of the Board of Trustees for their helpful advice and support.

Respectfully submitted,

RODERICK B. DEXTER,  
*Superintendent.*

#### VALUATION November 30, 1938 REAL ESTATE

Land, 352.4 . . . . .	\$35,400.00
Buildings and betterments . . . . .	2,333,204.44
	<hr/>
	\$2,368,604.44

## FINANCIAL REPORT

To the Department of Mental Health:

I respectfully submit the following report of the finances of this institution for the fiscal year ending November 30, 1938.

## STATEMENT OF EARNINGS

Board of patients		\$52,139.61
Personal services		184.92
Sales:		
Food	\$499.41	
Furnishings and household supplies	33.96	
Medical and general care	34.69	
Garage and grounds	1.50	
Repairs ordinary	509.21	
Miscellaneous: Wood	143.25	
Farm: (vegetables \$420.25; calves, hides, cow, boar, bull, \$303.82; bags and burlap, \$24.82; farm implements \$15; pigs and sows \$264.62)	\$1,028.51	
Total Sales		2,250.53
Miscellaneous:		
Rents (garage, \$116.50; house, \$240)	\$356.50	
N. E. Tel. & Tel. Co., Comm.	62.11	
Total Miscellaneous		418.61

Total earnings for the year		\$54,993.67
Total cash receipts reverting and transferred to the State Treasurer		55,070.60
Accounts receivable outstanding Dec. 1, 1937	\$259.51	
Accounts receivable outstanding Nov. 30, 1938	182.58	
Accounts receivable decreased		\$76.93

## MAINTENANCE APPROPRIATION

Balance from previous year, brought forward		\$1,325.70
Appropriation, current year		593,510.00
Total		\$594,835.70

Expenditures as follows:		
Personal services	\$331,791.52	
Food	90,326.54	
Medical and general care	11,619.49	
Religious instruction	1,360.00	
Farm	20,331.19	
Heat and other plant operation	50,888.63	
Travel, transportation and office expenses	6,153.58	
Garage, \$3,712.48; grounds, \$348.28	4,060.76	
Clothing and materials	15,775.52	
Furnishings and household supplies	23,816.06	
Repairs ordinary	9,260.05	
Repairs and renewals	11,770.16	
Total maintenance expenditures		\$577,153.50

Balances of maintenance appropriation, Nov. 30, 1938		17,682.20
		\$594,835.70

## SPECIAL APPROPRIATIONS

Balance December 1, 1937, brought forward		\$11,662.34
Appropriations for current year		88,532.41
Total		\$100,194.75
Expended during the year	\$37,528.90	
Reverting to Treasury of Commonwealth	* 2,288.80	
		39,817.70
Balance November 30, 1938, carried to next year		\$60,377.05

APPROPRIATION	Act or Resolve (Year)	Total Amount Appropriated	Expended during fiscal year	Total Expended to date	Balance at end of year
Hydrotherapeutic suite equipment	1937	\$14,900.00	\$2,343.54	\$14,812.87	\$87.13
Sprinkler system extension	1938	3,000.00	18.80	18.80	2,981.20
Relocating hydrotherapeutic suite	1938	10,000.00	8,417.38	8,417.38	1,582.62
Purchase of land	1938	15,000.00	8.10	8.10	14,991.90
Renovation of steam and hot water lines	1938	9,500.00	8,408.56	8,408.56	1,091.44
Sewage disposal, Hersey Farm	1938	14,000.00	10,117.62	10,117.62	3,882.38
Hurricane and flood damage	1938	34,600.00	216.48	216.48	34,383.52
Relocating "E" Building toilets	1937	8,000.00	6,912.72	7,903.82	96.18
Assembly building and tunnel, M.S.P. M-31		131,232.59	32.41	130,046.90	1,185.69
Laundry building and equipment, M.S.P. M-8		104,987.77	—	104,892.78	94.99
Window guards	1936	9,000.00	—	6,711.20	2,288.80*
Boiler house, M.S.P. M-32		185,358.59	1,053.29	185,358.59	—
		\$539,578.95	\$37,528.90	\$506,913.10	\$62,665.85

## PER CAPITA

During the year the average number of patients has been, 1,375.842.  
 Total cost of maintenance, \$577,153.50.  
 Equal to a weekly per capita cost of \$8.0671.  
 Total receipts for the year, \$55,138.67.  
 Equal to a weekly per capita of, \$.7707.  
 Total net cost of maintenance for year, \$522,014.83.  
 Net weekly per capita, \$7.2964.

Respectfully submitted,

HARRIETT S. BAYLEY,

Treasurer.

Financial statement verified.

Approved.

GEORGE E. MURPHY,

Comptroller.

## STATISTICAL TABLES

AS ADOPTED BY THE AMERICAN PSYCHIATRIC ASSOCIATION, PRESCRIBED BY  
 THE MASSACHUSETTS DEPARTMENT OF MENTAL HEALTH

TABLE 1. *General Information*

(Data correct at end of institution year November 30, 1938)

Date of opening as a hospital for mental diseases: August, 1914.

Type of hospital: State.

Hospital plant:

Value of hospital property:

Real estate, including buildings . . . . .

Personal property . . . . .

\$2,368,604.44

363,317.83

Total

Total acreage of hospital property owned, 352.4.

Additional acreage rented, 17.

Total acreage under cultivation during previous year, 87.

\$2,731,922.27

Officers and employees:

	Actually in Service at End of Year			Vacancies at End of Year		
	M.	F.	T.	M.	F.	T.
Superintendents . . . . .	1	—	1	—	—	—
Assistant physicians . . . . .	5	2	7	2	—	2
Clinical assistants . . . . .	1	—	1	—	—	—
Total physicians . . . . .	7	2	9	2	—	2
Stewards . . . . .	2	—	2	1	—	1
Resident dentists . . . . .	1	—	1	—	—	—
Pharmacists . . . . .	1	—	1	—	—	—
Graduate nurses . . . . .	5	37	42	—	—	—
Other nurses and attendants . . . . .	79	62	141	—	1	1
Occupational therapists . . . . .	—	2	2	—	—	—
Social workers . . . . .	—	3	3	—	—	—
All other officers and employees . . . . .	73	54	127	—	1	1
Total officers and employees . . . . .	168	160	328	3	2	5

Classification by Diagnosis September 30, 1938

Census of Patient Population at end of year:

	Actually in Hospital			Absent from Hospital but still on Books		
	M.	F.	T.	M.	F.	T.
WHITE:						
Insane . . . . .	622	731	1,353	50	67	117
Mental defectives . . . . .	—	2	2	—	—	—
Total . . . . .	622	733	1,355	50	67	117
OTHER RACES:						
Insane . . . . .	27	23	50	2	—	2
Total . . . . .	27	23	50	2	—	2
Grand Total . . . . .	649	756	1,405	52	67	119

	M.	F.	T.
Patients under treatment in occupational-therapy classes, including physical training, on date of report . . . . .	132	178	310
Other patients employed in general work of hospital on date of report . . . . .	301.966	199.366	501.332
Average daily number of all patients actually in hospital during year . . . . .	7,492.367	8,867.781	16,360.148
Voluntary patients admitted during year . . . . .	1	2	3
Persons given advice or treatment in out-patient clinics during year . . . . .	179	135	314

TABLE 2. *Movement of Patient Population for the Year Ended September 30, 1938*

(Data in all of the following tables are based on the Statistical Year, October 1, 1937 to September 30, 1938)

	TOTAL			REGULAR COURT COMMITMENT (INSANE)			OBSERVATION			TEMPORARY CARE			VOLUNTARY		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Patients on books of institution September 30, 1937	663	803	1,466	663	800	1,463	-	3	3	-	-	-	-	-	-
Admissions during year:															
First admissions	124	98	222	95	77	172	19	14	33	10	6	16	-	1	1
Readmissions	30	37	67	21	32	53	6	3	9	2	1	3	-	1	2
Total admissions	154	135	289	116	109	225	25	17	42	12	7	19	-	2	3
Transfers from other mental hospitals	38	12	50	38	12	50	-	-	-	-	-	-	-	-	-
Total received during year	192	147	339	154	121	275	25	17	42	12	7	19	-	2	3
Total on books during year	855	950	1,805	817	921	1,738	25	20	45	12	7	19	-	2	3
Discharged from books during year:															
As recovered	21	25	46	12	15	27	5	8	13	4	2	6	-	-	-
As improved	30	41	71	27	35	62	2	4	6	1	1	2	-	1	1
As without psychosis	3	6	9	3	5	8	-	-	-	-	-	-	-	-	-
As discharged to community	18	4	22	-	-	-	12	4	16	5	1	1	-	-	-
Total discharged to community	72	76	148	42	55	97	19	16	35	10	4	14	-	1	2
Transferred to other mental hospitals	51	7	58	51	7	58	-	-	-	-	-	-	-	-	-
Total discharged	123	83	206	93	62	155	21	20	41	6	2	10	-	-	-
Died during year	31	44	75	25	41	66	4	2	6	2	1	3	-	-	-
Transferred and died during year	154	127	281	118	103	221	23	18	41	12	5	17	-	1	2
Total discharged, transferred and died during year	649	756	1,405	647	751	1,398	2	2	4	-	2	2	-	1	1
Patients remaining on books of hospital at end of year:															
In hospital	52	67	119	52	67	119	-	-	-	-	-	-	-	-	-
On parole or otherwise absent	701	823	1,524	699	818	1,517	2	2	4	-	2	2	-	1	1
Total															

## SUPPLEMENTARY DATA

	Male	Female	Total
Average daily number of patients on books during year	676.97	808.92	1,485.89
Actually in institution during year	622.38	737.26	1,359.64
In family care	-	44.15	44.15
On visit	49.25	67.51	116.76
On escape	-	5.34	5.34
Number of patients actually remaining in institution September 30, 1938	604	653	1,257
State	-	103	103
Reimbursing	45	-	45
Number of patients in family care September 30, 1938	-	2	2
Reimbursing	-	3	3
Self-supporting	-	-	-
Number of non-insane patients in hospital at end of institution year:	-	2	2
Mentally defective	-	-	-



TABLE 3. *Nativity of First Admissions and of Parents of First Admissions*

NATIVITY	PATIENTS			PARENTS OF MALE PATIENTS			PARENTS OF FEMALE PATIENTS		
	M.	F.	T.	Fathers	Mothers	Both Parents	Fathers	Mothers	Both Parents
United States <sup>1</sup>	89	70	159	52	53	46	32	35	27
Austria	—	1	1	—	—	—	—	1	—
Belgium	1	—	1	1	1	1	—	—	—
Canada <sup>2</sup>	8	10	18	17	18	14	16	14	14
England	2	1	3	3	5	3	3	3	2
Finland	1	1	2	1	1	1	2	2	2
France	—	—	—	—	—	—	1	1	1
Germany	1	1	2	1	—	—	4	4	4
Greece	4	—	4	4	4	4	—	—	—
Ireland	5	3	8	16	13	13	14	15	10
Italy	4	3	7	8	8	8	7	6	6
Norway	—	—	—	1	1	1	—	—	—
Poland	2	—	2	2	2	2	1	1	1
Portugal	2	1	3	4	3	3	3	2	2
Russia	2	1	3	5	5	5	2	2	2
Scotland	1	1	2	1	1	1	2	2	2
Sweden	1	2	3	1	1	1	5	5	5
Wales	—	—	—	—	1	—	—	—	—
West Indies <sup>3</sup>	—	1	1	—	—	—	1	1	1
Other Countries	1	2	3	5	4	4	2	2	2
Unknown	—	—	—	2	3	2	3	2	1
Total	124	98	222	124	124	109	98	98	82

<sup>1</sup> (Persons born in Hawaii, Porto Rico and the Virgin Islands should be recorded as born in the U. S.)<sup>2</sup> Includes Newfoundland. <sup>3</sup> Except Cuba, Porto Rico and Virgin Islands.



TABLE 5. *Citizenship of First Admissions*

	Males	Females	Total
Citizens by birth . . . . .	89	72	161
Citizens by naturalization . . . . .	16	11	27
Aliens . . . . .	11	12	23
First papers . . . . .	7	2	9
Citizenship unknown . . . . .	1	1	2
Total . . . . .	124	98	222

TABLE 6. *Race of First Admissions Classified with Reference to Principal Psychoses*

RACE	TOTAL			With syphilitic meningo-encephalitis			With other forms of syphilis			Alcoholic psychoses			Traumatic psychoses			With cerebral arterio-sclerosis			With other disturbances of circulation		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black) . . . . .	2	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dutch and Flemish . . . . .	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
English . . . . .	30	18	48	2	-	2	-	-	-	3	-	3	-	-	-	8	4	12	1	1	2
Finnish . . . . .	1	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
French . . . . .	9	8	17	-	-	-	-	-	-	-	-	-	-	-	-	2	3	5	-	-	-
German . . . . .	1	4	5	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-
Greek . . . . .	4	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hebrew . . . . .	4	2	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Irish . . . . .	18	19	37	1	-	1	1	-	1	4	2	6	-	-	-	4	1	5	-	-	-
Italian <sup>1</sup> . . . . .	8	7	15	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
Lithuanian . . . . .	5	1	6	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
Portuguese . . . . .	4	1	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scandinavian <sup>2</sup> . . . . .	2	5	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
Scotch . . . . .	4	2	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Slavonic <sup>3</sup> . . . . .	2	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other specific races . . . . .	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mixed . . . . .	27	24	51	1	-	1	-	-	-	-	-	-	1	-	1	2	1	3	1	1	2
Race unknown . . . . .	2	-	2	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
Total . . . . .	124	98	222	4	-	4	1	-	1	8	3	11	1	-	1	17	10	27	2	3	5

TABLE 6. *Race of First Admissions Classified with Reference to Principal Psychoses — Continued*

RACE	With convulsive disorders (epilepsy)			Senile psychoses			Involuntional psychoses			Due to other metabolic diseases, etc.			Due to new growth			With organic changes of nervous system			Psycho-neuroses		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black) . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dutch and Flemish . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
English . . . . .	1	1	2	2	3	5	3	2	5	-	-	-	-	-	-	3	1	4	1	2	3
Finnish . . . . .	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
French . . . . .	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	2	-	2	-	1	1
German . . . . .	-	-	-	1	2	3	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-
Greek . . . . .	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hebrew . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Irish . . . . .	-	-	-	2	2	-	1	3	4	1	1	2	-	1	1	-	3	3	-	1	1
Italian <sup>1</sup> . . . . .	1	-	1	-	-	-	-	1	1	-	1	1	-	-	-	2	-	2	-	-	-
Lithuanian . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
Portuguese . . . . .	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scandinavian <sup>2</sup> . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
Scotch . . . . .	-	-	-	-	-	-	1	1	-	-	-	-	1	1	-	1	-	1	-	-	-
Slavonic <sup>3</sup> . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Other specific races . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mixed . . . . .	-	-	-	1	-	1	1	-	1	-	-	-	-	-	-	4	-	4	1	3	4
Race unknown . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total . . . . .	3	1	4	4	8	12	5	9	14	2	2	4	-	2	2	13	5	18	4	8	12

<sup>1</sup> Includes "North" and "South."<sup>2</sup> Norwegians, Danes and Swedes.<sup>3</sup> Includes Bohemian, Bosnian, Croatian, Dalmatian, Herzegovinian, Montenegrin, Moravian, Polish, Russian, Ruthenian, Servian, Slovak, Slovenian.

TABLE 6. *Race of First Admissions Classified with Reference to Principal Psychoses — Concluded*

RACE	Manic-depressive psychoses			Dementia praecox			Paranoia and paranoid conditions			With psychopathic personality			With mental deficiency			Without psychoses			Primary behavior disorders		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	—	1	1	2	1	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dutch and Flemish	—	1	1	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
English	1	3	4	1	—	1	—	—	—	1	—	1	—	1	1	3	—	3	—	—	—
Finnish	—	1	1	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—
French	2	1	3	—	1	1	—	—	—	1	—	1	—	—	—	2	—	2	—	—	—
German	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Greek	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—	1	—	1	—	—	—
Hebrew	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Irish	1	1	2	2	1	3	—	—	—	—	1	1	—	1	1	3	1	4	—	—	—
Italian <sup>1</sup>	—	1	1	3	3	6	—	—	—	—	—	—	—	—	—	1	1	2	—	—	—
Lithuanian	—	—	—	3	—	3	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—
Portuguese	2	—	2	2	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Scandinavian <sup>2</sup>	2	1	3	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Scotch	1	—	1	1	—	1	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
Slavonic <sup>3</sup>	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other specific races	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mixed	5	5	10	3	7	10	—	—	—	1	1	2	2	5	7	4	—	4	—	1	1
Race unknown	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
Total	16	19	35	18	15	33	4	—	4	3	3	6	3	7	10	16	2	18	—	1	1

<sup>1</sup> Includes "North" and "South."<sup>2</sup> Norwegians, Danes and Swedes.<sup>3</sup> Includes Bohemian, Bosnian, Croatian, Dalmatian, Herzegovinian, Montenegrin, Moravian, Polish, Russian, Ruthenian, Servian, Slovak, Slovenian.TABLE 7. *Age of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	TOTAL			0-14 years			15-19 years			20-24 years			25-29 years		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	4	—	4	—	—	—	—	—	—	—	—	—	—	—	—
With other forms of syphilis	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
Alcoholic psychoses	8	3	11	—	—	—	—	—	—	—	—	—	1	—	1
Traumatic psychoses	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
With cerebral arteriosclerosis	17	10	27	—	—	—	—	—	—	—	—	—	—	—	—
With other disturbances of circulation	2	3	5	—	—	—	—	—	—	—	—	—	—	—	—
With convulsive disorders (epilepsy)	3	1	4	—	—	—	—	—	—	2	—	2	—	—	—
Senile psychoses	4	8	12	—	—	—	—	—	—	—	—	—	—	—	—
Involuntional psychoses	5	9	14	—	—	—	—	—	—	—	—	—	—	—	—
Due to other metabolic diseases, etc.	2	2	4	—	1	1	—	—	—	—	—	—	—	—	—
Due to new growth	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—
With organic changes of nervous system	13	5	18	—	—	—	—	—	—	—	—	—	—	—	—
Psychoneuroses	4	8	12	—	—	—	—	—	—	1	—	1	1	—	1
Manic-depressive psychoses	16	19	35	—	—	—	—	1	1	1	—	1	4	4	8
Dementia praecox	18	15	33	—	—	—	1	1	2	5	2	7	4	1	5
Paranoia and paranoid conditions	4	—	4	—	—	—	—	—	—	—	—	—	—	—	—
With psychopathic personality	3	3	6	1	—	1	—	—	—	—	—	—	1	2	3
With mental deficiency	3	7	10	—	—	—	—	3	3	2	2	4	1	1	2
Without psychoses	16	2	18	2	—	2	2	—	2	—	—	—	2	1	3
Primary behavior disorders	—	1	1	—	—	—	—	—	—	—	1	1	—	—	—
Total	124	98	222	3	1	4	3	5	8	11	5	16	14	9	23



TABLE 7. *Age of First Admissions Classified with Reference to Principal Psychoses — Continued*

PSYCHOSES	30-34 years			35-39 years			40-44 years			45-49 years			50-54 years			55-59 years		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	-	-	-	-	-	-	-	-	-	1	-	1	1	-	1	1	-	1
With other forms of syphilis	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
Alcoholic psychoses	-	1	1	-	-	-	2	-	2	1	-	1	1	1	2	-	-	-
Traumatic psychoses	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With cerebral arteriosclerosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With other disturbances of circulation	-	1	1	-	-	-	-	1	1	-	-	-	1	-	1	-	-	-
With convulsive disorders (epilepsy)	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Senile psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Involuntional psychoses	-	-	-	-	-	-	-	-	-	-	-	-	1	4	5	4	5	9
Due to other metabolic diseases, etc.	-	-	-	-	-	-	-	1	1	1	-	1	-	-	-	-	-	-
Due to new growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With organic changes of nervous system	-	-	-	1	-	1	1	-	1	1	-	1	4	-	4	1	1	2
Psychoneuroses	-	1	1	-	2	2	-	-	-	1	-	1	1	2	3	-	2	2
Manic-depressive psychoses	4	1	5	1	1	2	-	2	2	-	3	3	2	2	4	-	1	1
Dementia praecox	2	5	7	1	3	4	-	3	3	2	-	2	3	-	3	-	-	-
Paranoia and paranoid conditions	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	1	-	1
With psychopathic personality	-	-	-	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-
With mental deficiency	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Without psychoses	1	-	1	5	-	5	1	1	2	-	-	-	2	-	2	-	-	-
Primary behavior disorders	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	9	10	19	9	8	17	5	8	13	7	3	10	17	9	26	7	9	16

TABLE 7. *Age of First Admissions Classified with Reference to Principal Psychoses — Concluded*

PSYCHOSES	60-64 years			65-69 years			70-74 years			75-79 years			80-84 years			85 years and over		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With other forms of syphilis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alcoholic psychoses	2	-	2	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-
Traumatic psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With cerebral arteriosclerosis	-	-	-	2	2	4	7	1	8	4	3	7	1	2	3	3	2	5
With other disturbances of circulation	-	1	1	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
With convulsive disorders (epil.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Senile psychoses	1	-	1	-	1	1	1	1	2	1	3	4	-	2	2	1	1	2
Involuntional psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Due to other metabolic diseases, etc.	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Due to new growth	-	1	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
With organic changes of nervous system	3	2	5	-	2	2	-	-	-	1	-	1	1	-	1	-	-	-
Psychoneuroses	-	-	-	-	1	1	-	-	-	-	-	-	1	-	1	-	-	-
Manic-depressive psychoses	1	1	2	3	1	4	-	2	2	-	-	-	-	-	-	-	-	-
Dementia praecox	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Paranoia and paranoid conditions	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With psychopathic personality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With mental deficiency	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Without psychoses	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Primary behavior disorders	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	10	5	15	8	9	17	9	4	13	6	6	12	2	4	6	4	3	7



TABLE 9. *Environment of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	TOTAL			0-2,499			2,500-9,999			10,000-24,999			25,000-49,999			50,000-99,999			100,000-249,999			500,000+			Unknown		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis . . . . .	4	-	4	-	-	-	2	-	2	1	-	1	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
With other forms of syphilis . . . . .	1	3	4	-	-	-	1	1	2	3	1	4	-	-	-	2	1	3	-	-	-	-	-	-	-	-	-
Alcoholic psychoses . . . . .	8	-	8	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Traumatic psychoses . . . . .	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	6	3	9	-	-	-	-	-	-	-	-
With cerebral arteriosclerosis . . . . .	17	10	27	-	-	-	6	1	7	3	6	9	1	-	-	1	2	3	1	-	-	-	-	-	-	-	-
With other disturbances of circulation . . . . .	2	3	5	1	1	1	1	1	1	-	-	-	-	-	-	1	1	2	2	-	-	-	-	-	-	-	-
With convulsive disorders (epilepsy) . . . . .	3	1	4	-	-	-	2	2	4	-	-	-	-	-	-	1	1	2	1	-	-	-	-	-	-	-	-
Senile psychoses . . . . .	4	8	12	1	1	1	1	1	2	3	3	2	-	-	-	2	3	5	-	-	-	-	-	-	-	-	-
Involuntional psychoses . . . . .	5	9	14	-	-	-	1	4	5	1	1	2	-	-	-	2	3	5	-	-	-	-	-	-	-	-	-
Due to other metabolic diseases, etc. . . . .	2	2	4	-	-	-	1	1	2	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Due to new growth . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With organic changes of nervous system . . . . .	13	5	18	-	-	-	3	3	6	2	2	4	1	-	-	4	-	4	1	-	-	-	-	-	-	-	-
Psychoneuroses . . . . .	4	8	12	-	-	-	1	1	2	2	2	4	1	-	-	2	3	5	-	-	-	-	-	-	-	-	-
Manic-depressive psychoses . . . . .	16	19	35	1	1	1	6	2	8	3	2	5	-	-	-	5	11	14	1	1	1	3	1	4	2	-	2
Dementia praecox . . . . .	18	15	33	-	-	-	4	4	8	4	2	6	1	-	-	1	3	8	1	-	-	2	1	3	2	-	-
Paranoia and paranoid conditions . . . . .	4	-	4	-	-	-	1	-	1	-	-	-	-	-	-	2	1	2	-	-	-	1	-	1	-	-	-
With psychopathic personality . . . . .	3	3	6	1	1	1	-	-	-	1	1	2	-	-	-	1	1	2	1	2	3	-	1	1	-	-	-
With mental deficiency . . . . .	3	7	10	-	-	-	2	2	4	1	1	3	-	-	-	1	1	2	1	2	3	-	1	1	-	-	-
Without psychoses . . . . .	16	2	18	-	-	-	4	1	5	3	3	6	1	-	-	7	-	7	1	2	3	-	1	1	-	-	-
Primary behavior disorders . . . . .	-	1	1	-	-	-	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total . . . . .	124	98	222	4	6	10	36	32	68	23	20	43	4	2	6	38	30	68	3	3	6	14	5	19	2	-	2

TABLE 10. *Economic Condition of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	TOTAL			Dependent			Marginal			Comfortable		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis . . . . .	4	—	4	2	—	2	2	—	2	—	—	—
With other forms of syphilis . . . . .	1	—	1	1	—	1	—	—	—	—	—	—
Alcoholic psychoses . . . . .	8	3	11	3	—	3	5	3	8	—	—	—
Traumatic psychoses . . . . .	1	—	1	—	—	—	1	—	1	—	—	—
With cerebral arteriosclerosis . . . . .	17	10	27	11	7	18	3	3	6	3	—	3
With other disturbances of circulation . . . . .	2	3	5	1	—	1	—	3	3	1	—	1
With convulsive disorders (epilepsy) . . . . .	3	1	4	—	—	—	3	1	4	—	—	—
Senile psychoses . . . . .	4	8	12	2	2	4	2	6	8	—	—	—
Involuntional psychoses . . . . .	5	9	14	1	3	4	3	5	8	1	1	2
Due to other metabolic diseases, etc. . . . .	2	2	4	—	2	2	2	—	2	—	—	—
Due to new growth . . . . .	—	2	2	—	1	1	—	1	1	—	—	—
With organic changes of nervous system . . . . .	13	5	18	6	1	7	7	3	10	—	1	1
Psychoneuroses . . . . .	4	8	12	—	3	3	4	4	8	—	1	1
Manic-depressive psychoses . . . . .	16	19	35	1	3	4	14	13	27	1	3	4
Dementia praecox . . . . .	18	15	33	3	3	6	14	12	26	1	—	1
Paranoia and paranoid conditions . . . . .	4	—	4	3	—	3	1	—	1	—	—	—
With psychopathic personality . . . . .	3	3	6	1	—	1	2	3	5	—	—	—
With mental deficiency . . . . .	3	7	10	2	6	8	1	1	2	—	—	—
Without psychoses . . . . .	16	2	18	5	1	6	9	1	10	2	—	2
Primary behavior disorders . . . . .	—	1	1	—	—	—	—	1	1	—	—	—
Total . . . . .	124	98	222	42	32	74	73	60	133	9	6	15

TABLE 11. *Use of Alcohol by First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	TOTAL			Abstinent			Temperate			Intemperate	Unknown		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.
With syphilitic meningo-encephalitis . . . . .	4	—	4	1	—	1	3	—	3	—	—	—	—
With other forms of syphilis . . . . .	1	—	1	—	—	—	1	—	1	—	—	—	—
Alcoholic psychoses . . . . .	8	3	11	—	—	—	—	—	—	8	3	11	—
Traumatic psychoses . . . . .	1	—	1	—	—	—	1	—	1	—	—	—	—
With cerebral arteriosclerosis . . . . .	17	10	27	2	9	11	10	1	11	5	—	5	—
With other disturbances of circulation . . . . .	2	3	5	—	2	2	2	1	3	—	—	—	—
With convulsive disorders (epil.) . . . . .	3	1	4	1	1	2	1	—	1	1	—	1	—
Senile psychoses . . . . .	4	8	12	1	5	6	1	3	4	1	—	1	—
Involuntional psychoses . . . . .	5	9	14	3	7	10	—	2	2	2	—	—	—
Due to other metabolic diseases, etc. . . . .	2	2	4	—	2	2	—	—	—	2	—	2	—
Due to new growth . . . . .	—	2	2	—	2	2	—	—	—	—	—	—	—
With organic changes of nervous system . . . . .	13	5	18	3	3	6	5	1	6	4	1	5	1
Psychoneuroses . . . . .	4	8	12	1	6	7	2	1	3	1	1	2	—
Manic-depressive psychoses . . . . .	16	19	35	3	15	18	12	3	15	1	1	2	—
Dementia praecox . . . . .	18	15	33	5	8	13	6	7	13	4	—	4	3
Paranoia and paranoid conditions . . . . .	4	—	4	1	—	1	—	—	—	3	—	3	—
With psychopathic personality . . . . .	3	3	6	2	1	3	1	1	2	—	1	1	—
With mental deficiency . . . . .	3	7	10	3	6	9	—	1	1	—	—	—	—
Without psychoses . . . . .	16	2	18	7	1	8	2	—	2	7	1	8	—
Primary behavior disorders . . . . .	—	1	1	—	1	1	—	—	—	—	—	—	—
Total . . . . .	124	98	222	33	69	102	47	21	68	39	8	47	5







<i>Psychoses Due to Disturbances of Metabolism, Growth, Nutrition or Endocrine Function: —</i>														
<i>Senile Psychoses:</i>														
Simple deterioration . . . . .	2	2	4	—	—	—	—	—	—	—	—	—	—	—
Presbyophrenic type . . . . .	—	4	4	—	—	—	—	—	—	—	—	—	—	—
Delirious and confused types . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Depressed and agitated types . . . . .	—	1	1	—	—	—	—	—	—	—	—	—	—	—
Paranoid types . . . . .	2	1	3	—	—	—	—	—	—	—	—	—	—	—
<i>Involutional psychoses:</i>														
Melancholia . . . . .	5	9	14	—	1	1	3	8	11	—	1	1	—	1
With diseases of the endocrine glands . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Alzheimer's disease . . . . .	—	1	1	—	—	—	—	—	—	—	—	—	—	—
With pellagra . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—
With other somatic diseases . . . . .	2	1	3	1	—	1	1	1	2	1	1	2	—	—
<i>Psychoses Due to New Growth: —</i>														
With other neoplasms . . . . .	—	2	2	—	—	—	—	—	—	—	—	—	—	—
<i>Psychoses Due to Unknown or Hereditary Causes, but Associated with Organic Changes:</i>														
With multiple sclerosis . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—
With Huntington's chorea . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—
With other brain or nervous diseases . . . . .	13	5	18	2	1	3	—	2	2	—	6	2	8	—
<i>Disorders of Psychogenic Origin or Without Clearly Defined Tangible Cause or Structural Change: —</i>														
<i>Psychoneuroses:</i>														
Anxiety hysteria . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Conversion hysteria . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hyperkinetic type . . . . .	—	—	—	—	—	—	—	—	—	1	1	—	—	—
Psychasthenia or compulsive states: . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Obsession . . . . .	1	—	1	—	1	1	—	—	—	—	—	—	—	—
Phobia . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Neurasthenia . . . . .	—	2	2	1	—	1	—	—	—	—	—	—	—	—
Hypochondriasis . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Reactive depression . . . . .	2	2	4	1	1	2	3	2	5	2	2	1	—	—
Anxiety state . . . . .	1	—	—	—	—	—	—	—	—	—	—	—	—	—
Mixed psychoneurosis . . . . .	—	4	4	1	2	3	1	2	3	—	1	1	—	—
<i>Manic-depressive Psychoses:</i>														
Manic type . . . . .	8	10	18	1	2	3	4	4	8	4	7	11	—	—
Depressive type . . . . .	7	9	16	3	4	7	6	8	14	1	5	6	—	—
Mixed type . . . . .	1	—	1	—	1	1	—	—	—	—	—	—	—	—
<i>Dementia praecox (schizophrenia):</i>														
Simple type . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hebephrenic type . . . . .	9	6	15	3	—	3	2	4	7	3	1	4	—	—
Catatonic type . . . . .	6	4	10	5	5	10	1	6	7	1	1	2	—	—
Paranoid type . . . . .	3	4	7	1	4	5	1	1	2	—	—	—	—	—
Other types . . . . .	—	1	1	—	1	1	1	—	1	—	—	—	—	—

TABLE 13. *Mental Disorders of All Admissions, All Discharges, All Deaths, 1938, All Cases in Residence and All Cases Out on September 30, 1938, by Status of Admission and Sex — Concluded*

MENTAL DISORDERS	ALL ADMISSIONS						ALL DISCHARGES						ALL DEATHS						RESIDENT POPULATION						PATIENTS OUT ON VISIT, ETC.					
	First Admissions			Readmissions			First Admissions			Readmissions			First Admissions			Readmissions			First Admissions			Readmissions			First Admissions			Readmissions		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
	124	98	222	30	37	67	54	52	106	18	24	42	24	39	63	7	5	12	370	388	758	279	368	647	30	32	62	22	35	57
Paranoia . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Paranoid conditions . . . . .	4	-	4	1	1	2	-	1	1	2	-	1	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With psychopathic personality . . . . .	3	3	6	-	2	2	-	2	2	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With mental deficiency: . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Idiot . . . . .	1	2	3	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Imbecile . . . . .	1	1	2	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Moron . . . . .	1	3	4	2	2	4	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown . . . . .	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Without Psychosis: — . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alcoholism . . . . .	3	1	4	1	-	1	3	2	5	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Psychopathic personality: . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With pathological sexuality . . . . .	1	-	1	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With pathological emotionality . . . . .	3	-	3	-	1	1	3	-	3	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With asocial or amoral trends . . . . .	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mixed types . . . . .	2	-	2	1	-	1	2	-	2	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mental deficiency: . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Imbecile . . . . .	1	-	1	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Moron . . . . .	3	1	4	-	1	1	3	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other non-psychotic diseases or conditions . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
No other condition . . . . .	2	-	2	-	-	-	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Primary Behavior Disorders: — . . . . .	1	-	1	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Simple adult maladjustment . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Primary behavior disorders in children: . . . . .	-	1	1	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Grand Total . . . . .	124	98	222	30	37	67	54	52	106	18	24	42	24	39	63	7	5	12	370	388	758	279	368	647	30	32	62	22	35	57

Note: Admissions and discharges do not include transfers.



TABLE 14. *Discharges of Patients Classified with Reference to Principal Psychoses and Condition on Discharge*

PSYCHOSES	TOTAL			Recovered			Improved			Unimproved		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis . . . . .	1	—	1	—	—	—	1	—	1	—	—	—
With other infectious diseases . . . . .	1	—	1	1	—	1	—	—	—	—	—	—
Alcoholic psychoses . . . . .	7	2	9	5	2	7	1	—	1	1	—	1
Due to drugs, etc. . . . .	1	—	1	1	—	1	—	—	—	—	—	—
With cerebral arteriosclerosis . . . . .	2	1	3	—	1	1	2	—	2	—	—	—
With other disturbances of circulation . . . . .	1	1	2	—	1	1	1	—	1	—	—	—
With convulsive disorders (epilepsy) . . . . .	1	—	1	—	—	—	1	—	1	—	—	—
Senile psychoses . . . . .	—	1	1	—	—	—	—	—	—	—	1	1
Involuntional psychoses . . . . .	3	9	12	1	3	4	2	6	8	—	—	—
Due to other metabolic diseases, etc. . . . .	2	2	4	2	—	2	—	2	2	—	—	—
With organic changes of nervous system . . . . .	—	2	2	—	—	—	—	1	1	—	1	1
Psychoneuroses . . . . .	6	6	12	3	2	5	3	4	7	—	—	—
Manic-depressive psychoses . . . . .	17	24	41	7	11	18	8	10	18	2	3	5
Dementia praecox . . . . .	10	15	25	—	1	1	10	13	23	—	1	1
Paranoia and paranoid conditions . . . . .	1	2	3	—	—	—	1	2	3	—	—	—
With psychopathic personality . . . . .	1	3	4	1	1	2	—	2	2	—	—	—
With mental deficiency . . . . .	—	3	3	—	3	3	—	—	—	—	—	—
Without psychoses . . . . .	18	4	22	—	—	—	—	—	—	—	—	—
Primary behavior disorders . . . . .	—	1	1	—	—	—	—	1	1	—	—	—
Total . . . . .	72	76	148	21	25	46	30	41	71	3	6	9

TABLE 15. *Hospital Residence during This Admission of First Admissions Discharged during 1938*

PSYCHOSES	Number			Average Net Hospital Residence in Years		
	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis . . . . .	1	—	1	1.50	—	1.50
With other infectious diseases . . . . .	1	—	1	.20	—	.20
Alcoholic psychoses . . . . .	6	1	7	1.72	.04	1.48
Due to drugs, etc. . . . .	1	—	1	.29	—	.29
With cerebral arteriosclerosis . . . . .	2	1	3	1.50	.04	1.01
With other disturbances of circulation . . . . .	1	1	2	.29	.12	.20
Senile psychoses . . . . .	—	1	1	—	.04	.04
Involuntional psychoses . . . . .	3	8	11	1.08	1.72	1.55
Due to other metabolic diseases, etc. . . . .	1	1	2	.12	.20	.16
With organic changes of nervous system . . . . .	—	2	2	—	1.18	1.18
Psychoneuroses . . . . .	4	4	8	.22	.26	.24
Manic-depressive psychoses . . . . .	11	12	23	1.15	.45	.79
Dementia praecox . . . . .	6	12	18	1.47	1.37	1.40
Paranoia and paranoid conditions . . . . .	1	1	2	1.50	12.50	7.00
With psychopathic personality . . . . .	—	2	2	—	.77	.77
With mental deficiency . . . . .	—	2	2	—	.37	.37
Without psychoses . . . . .	16	3	19	.05	.06	.05
Primary behavior disorders . . . . .	—	1	1	—	.04	.04
Total . . . . .	54	52	106	.81	1.04	.92

TABLE 16. Causes of Death of Patients Classified with Reference to Principal Mental Disorders

CAUSES OF DEATH	TOTAL			Alcoholic psychoses		With cerebral arterio-sclerosis		With other disturbances of circulation		Senile psychoses		Involutional psychoses		Due to other metabolic diseases, etc.	
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
<i>Infectious and Parasitic Diseases:</i>															
Influenza	1	-	1	1	-	1	-	-	-	-	-	-	-	-	-
Lethargic encephalitis (epidemic)	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Tuberculosis of the respiratory system	3	3	6	-	-	-	1	-	-	-	-	1	1	-	-
Syphilis (non-nervous forms)	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
<i>Cancer and Other Tumors:</i>															
Cancer and other malignant tumors	1	3	4	-	-	-	-	-	-	1	1	-	-	-	-
<i>Diseases of the Blood and Blood-Making Organs:</i>															
Leukemias and pseudo-leukemias	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
<i>Chronic Poisonings and Intoxications:</i>															
Alcoholism (acute or chronic)	1	-	1	1	1	1	-	-	-	-	-	-	-	-	-
<i>Diseases of the Nervous System and Organs of Special Sense:</i>															
Cerebral hemorrhage	2	1	3	-	-	-	1	1	2	-	-	-	-	-	-
Cerebral embolism and thrombosis	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases of the nervous system	-	2	2	-	-	-	-	-	-	-	-	-	-	1	1
<i>Diseases of the Circulatory System:</i>															
Chronic endocarditis (valvular disease)	-	2	2	-	-	-	-	-	-	-	-	-	1	1	-
Diseases of the myocardium	5	11	16	-	-	-	1	5	6	1	3	4	1	1	-
Diseases of the coronary arteries and angina pectoris	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases of the heart	5	3	8	-	-	-	3	3	6	1	1	2	-	-	-
Arteriosclerosis	2	2	4	-	-	-	2	2	4	-	-	-	-	-	-
<i>Diseases of the Respiratory System:</i>															
Bronchitis	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Bronchopneumonia (including capillary bronchitis)	-	2	2	-	-	-	-	-	-	-	-	-	1	1	-
Lobar pneumonia	2	2	4	-	-	-	-	-	-	1	2	3	1	1	-
Other diseases (tuberculosis excepted)	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-
<i>Diseases of the Digestive System:</i>															
Diseases of the buccal cavity and annexa and of the pharynx and tonsils (including adenoid vegetations)	1	-	1	-	-	-	-	-	-	-	-	-	1	-	-
Biliary calculi and other diseases of the gall bladder and biliary passages	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-
Peritonitis	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-
<i>Diseases of the Genito-Urinary System:</i>															
Nephritis (acute, chronic and unspecified)	1	3	4	-	-	-	2	2	4	-	-	-	-	-	-
Other diseases of the kidneys and ureters (puerperal diseases excepted)	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-
<i>Diseases of the Skin and Cellular Tissue:</i>															
Diseases of Early Infancy	1	1	2	-	-	-	-	1	1	-	-	-	-	-	-
Senility	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-
<i>Violent and Accidental Deaths:</i>															
Homicide	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Total	31	44	75	3	-	3	8	10	18	1	2	3	2	4	6

TABLE 16. Causes of Death of Patients Classified with Reference to Principal Mental Disorders — Concluded

CAUSES OF DEATH	Due to new growth			With organic changes of nervous system			Psycho-neuroses			Manic-depressive psychoses			Dementia praecox			Paranoia and paranoid conditions			With mental deficiency
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	
<i>Infectious and Parasitic Diseases:</i>																			
Influenza . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Lethargic encephalitis (epidemic) . . . . .	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	
Tuberculosis of the respiratory system . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	2	1	3	—	—	—	
Syphilis (non-nervous forms) . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	
<i>Cancer and Other Tumors:</i>																			
Cancer and other malignant tumors . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	2	3	—	
<i>Diseases of the Blood and Blood-Making Organs:</i>																			
Leukemias and pseudo-leukemias . . . . .	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
<i>Chronic Poisonings and Intoxications:</i>																			
Alcoholism (acute or chronic) . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
<i>Diseases of the Nervous System and Organs of Special Sense:</i>																			
Cerebral hemorrhage . . . . .	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	
Cerebral embolism and thrombosis . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	
Other diseases of the nervous system . . . . .	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	
<i>Diseases of the Circulatory System:</i>																			
Chronic endocarditis (valvular disease) . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Diseases of the myocardium . . . . .	—	—	—	2	—	2	—	—	—	1	—	1	—	1	1	—	1	1	
Diseases of the coronary arteries and angina pectoris . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Other diseases of the heart . . . . .	—	—	—	1	—	1	—	—	—	—	1	1	—	—	—	—	—	—	
Arteriosclerosis . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
<i>Diseases of the Respiratory System:</i>																			
Bronchitis . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Bronchopneumonia (including capillary bronchitis) . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Lobar pneumonia . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Other diseases (tuberculosis excepted) . . . . .	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	1	—	—	
<i>Diseases of the Digestive System:</i>																			
Diseases of the buccal cavity and annexa and of the pharynx and tonsils (including adenoid vegetations) . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Biliary calculi and other diseases of the gall bladder and biliary passages . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Peritonitis . . . . .	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	
<i>Diseases of the Genito-Urinary System:</i>																			
Nephritis (acute, chronic and unspecified) . . . . .	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	
Other diseases of the kidneys and ureters (puerperal diseases excepted) . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
<i>Diseases of the Skin and Cellular Tissue:</i>																			
Diseases of Early Infancy . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
<i>Sentility:</i>																			
Violent and Accidental Deaths:																			
Homicide . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	
Total . . . . .	—	1	1	6	2	8	1	—	1	—	1	—	4	7	11	1	1	2	
																		—	
																		—	
																		1	
																		1	





TABLE 17. Age of Patients at Time of Death Classified with Reference to Principle Psychoses

Psychoses	60-64 years			65-69 years			70-74 years			75-79 years			80-84 years			85 years and over		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
With other forms of syphilis	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
With epidemic encephalitis	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
With other infectious diseases	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Alcoholic psychoses	.	.	.	.	.	.	1	.	1	.	.	.	.	.	.	.	.	.
Due to drugs, etc.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Traumatic psychoses	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
With cerebral arteriosclerosis	1	1	2	2	1	3	2	1	3	1	1	2	1	3	4	1	2	3
With other disturbances of circulation	.	1	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
With convulsive disorders (epilepsy)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Senile psychoses	.	.	.	.	1	1	1	.	1	1	1	2	.	4	4	1	4	5
Involuntary psychoses	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Due to other metabolic diseases, etc.	.	1	1	.	2	2	.	.	.	.	.	.	.	.	.	.	.	.
Due to new growth	.	.	.	.	1	1	.	.	.	.	.	.	.	.	.	.	.	.
With organic changes of nervous system	.	1	1	1	1	1	.	.	.	2	.	2	1	.	1	.	.	.
Psychoneuroses	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Manic-depressive psychoses	.	.	.	.	1	1	.	.	.	.	.	.	1	.	1	.	.	.
Dementia praecox	.	1	1	1	1	1	.	.	.	.	.	.	.	.	.	.	.	.
Paranoia and paranoid conditions	1	3	4	.	.	.	.	.	.	1	.	1	.	.	.	.	.	.
With psychopathic personality	.	.	.	.	.	.	.	.	.	1	1	1	.	.	.	.	.	.
With mental deficiency	.	.	.	.	1	1	.	.	.	.	.	.	.	.	.	.	.	.
Undiagnosed psychoses	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Without psychoses	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Primary behavior disorders	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Total	2	8	10	4	7	11	4	1	5	5	3	8	3	7	10	2	7	9

TABLE 18. Total Duration of Hospital Life During All Admissions of Patients Dying in Hospital Classified According to Principal Psychoses

PSYCHOSES	Total			Less than 1 month		1-3 months		4-7 months		8-12 months		1-2 years		3-4 years	
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Alcoholic psychoses	3	-	3	2	-	2	1	-	1	-	-	-	-	-	-
With cerebral arteriosclerosis	8	10	18	2	2	3	-	2	1	3	1	1	3	4	-
With other disturbances of circulation	1	10	11	2	3	5	-	-	-	-	-	-	-	-	-
Senile psychoses	3	10	13	1	2	3	-	-	-	-	-	-	-	-	-
Involuntary psychoses	2	4	6	1	1	2	2	2	2	-	-	1	2	3	-
Due to other metabolic diseases, etc.	-	2	2	1	1	2	1	1	2	-	-	-	-	-	-
Due to new growth	-	2	2	-	2	2	-	-	-	-	-	-	-	-	-
With organic changes of nervous system	6	2	8	-	1	1	-	1	1	-	-	-	-	-	-
Psychoneuroses	1	2	3	-	-	-	3	1	-	1	1	1	-	-	-
Manic-depressive psychoses	2	4	6	-	-	-	-	-	-	-	-	-	-	-	-
Dementia præcox	4	7	11	-	-	-	1	-	1	-	-	2	1	3	-
Paranoia and paranoid conditions	4	1	5	-	-	-	-	-	-	-	-	-	-	-	-
With mental deficiency	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Total	31	44	75	7	8	15	5	4	9	3	4	7	2	8	15

PSYCHOSES	5-6 years			7-8 years			9-10 years			11-12 years			13-14 years			15-19 years			20 years and over		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Alcoholic psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With cerebral arteriosclerosis	1	1	2	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With other disturbances of circulation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Senile psychoses	-	2	2	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Involuntary psychoses	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
Due to other metabolic diseases, etc.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Due to new growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With organic changes of nervous system	-	1	1	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
Psychoneuroses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manic-depressive psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dementia præcox	-	-	-	-	1	1	2	2	2	-	-	-	-	2	2	-	-	-	-	2	-
Paranoia and paranoid conditions	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-
With mental deficiency	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	1	4	5	1	2	3	-	2	2	-	2	2	-	3	3	1	-	1	2	1	3

TABLE 19. *Average Length of Hospital Residence during the Present Admission of All First Admissions in Residence on September 30, 1938*

PSYCHOSES	Number			Average Net Hospital Residence in Years		
	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis . . . . .	35	7	42	6.86	5.78	6.68
With other forms of syphilis . . . . .	7	—	7	6.34	—	6.34
With epidemic encephalitis . . . . .	1	1	2	3.50	4.50	4.00
Alcoholic psychoses . . . . .	35	6	41	7.92	6.49	7.71
Traumatic psychoses . . . . .	4	—	4	2.73	—	2.73
With cerebral arteriosclerosis . . . . .	31	18	49	2.18	3.59	2.70
With other disturbances of circulation . . . . .	1	—	1	.44	—	.44
With convulsive disorders (epilepsy) . . . . .	7	10	17	5.48	5.69	5.60
Senile psychoses . . . . .	9	26	35	2.70	4.41	3.97
Involuntional psychoses . . . . .	7	20	27	4.05	2.72	3.07
Due to other metabolic diseases, etc. . . . .	2	2	4	6.00	3.97	4.98
Due to new growth . . . . .	—	1	1	—	.44	.44
With organic changes of nervous system . . . . .	24	12	36	3.60	2.64	3.28
Psychoneuroses . . . . .	1	6	7	3.50	5.63	5.33
Manic-depressive psychoses . . . . .	31	33	64	4.15	4.99	4.58
Dementia praecox . . . . .	143	169	312	8.09	9.23	8.71
Paranoia and paranoid conditions . . . . .	9	20	29	6.25	4.35	4.94
With psychopathic personality . . . . .	8	7	15	3.22	5.91	4.48
With mental deficiency . . . . .	15	49	64	6.35	7.51	7.24
Without psychoses . . . . .	—	1	1	—	.44	.44
Total . . . . .	370	388	758	6.21	6.88	6.56

TABLE 19A. *Average Length of Hospital Residence during the Present Admission of All Readmissions in Residence on September 30, 1938*

PSYCHOSES	Number			Average Net Hospital Residence in Years		
	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis . . . . .	12	5	17	6.91	9.70	7.73
With other forms of syphilis . . . . .	2	—	2	7.50	—	7.50
With epidemic encephalitis . . . . .	—	2	2	—	2.00	2.00
Alcoholic psychoses . . . . .	20	4	24	11.80	12.50	11.91
With cerebral arteriosclerosis . . . . .	5	4	9	4.30	4.00	4.16
With convulsive disorders (epilepsy) . . . . .	6	3	9	5.16	6.50	5.61
Senile psychoses . . . . .	2	5	7	4.50	9.30	7.92
Involuntional psychoses . . . . .	3	13	16	2.50	6.65	5.87
Due to other metabolic diseases, etc. . . . .	—	1	1	—	22.50	22.50
With organic changes of nervous system . . . . .	6	11	17	9.00	6.77	7.55
Psychoneuroses . . . . .	8	5	13	2.12	.90	1.65
Manic-depressive psychoses . . . . .	37	43	80	7.31	7.73	7.53
Dementia praecox . . . . .	158	228	386	10.43	12.17	11.46
Paranoia and paranoid conditions . . . . .	7	13	20	4.64	5.57	5.25
With psychopathic personality . . . . .	—	8	8	—	5.62	5.62
With mental deficiency . . . . .	13	22	35	10.88	7.59	8.81
Without psychoses . . . . .	—	1	1	—	.50	.50
Total . . . . .	279	368	647	9.20	10.23	9.78

TABLE 20. *Family Care Statistics for Year Ended September 30, 1938*

	Males	Females	Total
Remaining in Family Care September 30, 1937 . . . . .	—	5	5
Admitted to Family Care during the year . . . . .	—	7	7
Whole Number of Cases within the year . . . . .	—	12	12
Discharged from Family Care within the Year:	—	7	7
Discharged outright from Family Care . . . . .	—	2	2
Died while in Family Care . . . . .	—	1	1
Returned to Institution . . . . .	—	4	4
Remaining in Family Care September 30, 1938 . . . . .	—	5	5
Average Daily Number in Family Care during year:	—	.0301	.0301
Private . . . . .	—	2	2
Self-supporting . . . . .	—	10	10







MAY 15 40 W.F.A.



